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Abel's

Garden Guide
and Seed Annual

1948



"It's the Crop That Counts"

ABEL'S SEED HOUSE

12 NORTH NINTH STREET (25 Steps From Penn) READING, PA.

The House of Abel--Its Message to You

TIME marches on. For 20 years we have been issuing this catalog for your help and guidance in selecting your spring and fall plantings. Each year we not only endeavor to list the new offerings in the seed world, but to include information which will be of assistance to the planter.

As part of our service, we extend to each and every customer the privilege of calling upon us with their planting problems. We endeavor to solve all the problems presented, regardless of how difficult they may be. Should we be unable to supply the information immediately, it is ever our pleasure to do some research work for the benefit of our customers. All of which is offered FREE.

Our aim has always been, and always will be, to serve well all those who help to contribute to our success—our customers. All orders, and all re-

quests, large or small, receive our very best attention.

In SEEDS, BULBS, and SUPPLIES, we offer you only the highest quality obtainable, because we only deal with reputable growers and manufacturers, so that their guarantee augments our own.

Thanks to all our customers for their liberal support and patronage, for they have made possible this twentieth catalog. If you have been well served by the HOUSE OF ABEL, your neighbors and friends will welcome a word from you not only about ABEL'S QUALITY SEEDS but also about ABEL'S SERVICE. These two, quality and service, we have united for better business through you. Accept, please, our grateful appreciation.

Wilbert N. Abel.

ORDER EARLY

We will appreciate it if our customers will send us their orders for seeds, plants, bulbs, etc., during January and February. Your order can be filled at once and held for shipment when you wish same. No charge is made for boxes or packing, except for two bushel bags which are charged at cost and may be returned to us for credit.

SHIPPING INSTRUCTIONS

Always state by what method you wish goods forwarded, otherwise we will ship according to our best judgment.

HOW TO SEND CASH

We prefer that you send either Post Office Money Order, check or Express Money Order for amounts above 50c and stamps, Money Order or check for less.

NON-WARRANTY

Wilbert N. Abel of Abel's Seed House gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants they sell and will not be responsible for the crop. If the customer does not accept the goods on these terms they are at once to be returned and the amount paid for them will be refunded.

COMPLETE LINE OF FIELD SEEDS

Write for samples and prices

Due to conditions existing beyond our control, prices are subject to change without notice.

Start Your Garden Right--Buy Abel's Seeds




MARTHA WASHINGTON

ASPARAGUS

MARTHA WASHINGTON RUST-RESISTANT ASPARAGUS. A variety bred up by the U. S. Department of Agriculture, at Washington, D. C. from a careful selection of plants of the Washington variety, and is now more popular and more widely grown than any other. It produces large, beautiful, straight, dark green tender shoots of the most delicious flavor.

Large Two-Year-Old Roots of Genuine Martha Washington. Ask or write for prices.

 Where this insignia appears in this catalog it indicates the varieties so marked are proven new introductions of merit and have received an award in the All-America Selection Trials.

Martha Washington Seed. Can have a light cutting in 3 years. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.

BEANS

Plant beans after all danger of frost is passed, in warm, dry, well prepared soil. The rows should be 2 to 3 feet apart and the seeds covered 1½ to 2 inches deep. Thin the young plants to 3 to 6 inches apart in the rows.

Shallow cultivation should be frequent until blossoming; then stop to avoid injury to the roots. (Root injury causes the blossoms to fall off.) For succession plant every 2 weeks until mid-summer. Frequent picking of the crop insures long bearing. One quart of seed sows 100 feet, and 60 pounds sows 1 acre.

NOTICE


In most every case a quart of beans equals two pounds.


BUSH BEANS

GREEN-PODDED

Prices All Green Podded Bush Beans:

½ pt., 25c; pt., 45c; qt., 85c;
2 qts., \$1.60; 10 lbs., \$3.20;
25 lbs., \$7.50; 60 lbs., \$15.00

 **SUPERGREEN.** 58 days. The bush is medium green, upright, and about 17" high. The 6" to 7" pods are slim, straight, round, smooth, dark green and stringless. Highly recommended for home gardens and canning. A consistently good yielder. Roger's All-America Bronze Award Winner.

 **LONGREEN.** 56 days. 7" pods. Snap-bean with round, straight, dark green pods. STRINGLESS and a heavy producer. CANNING VARIETY.

GIANT STRINGLESS. 51 days. Medium-green pods 6" to 6½" long; meaty, round, slim, slightly curved, brittle and absolutely stringless. Seeds are a light brown color. The plants are of strong growth, compact, and bear a heavy crop of pods for a long time. Fulfills the same purpose as Burpee's Stringless Green Pod for the home, market, freezing and canning. Pods are, however, not so thick, and lighter green in color. Productive and adapted to the entire United States.

Beans for the Table, Canning or Freezing

BURPEE'S STRINGLESS. 50 days. Attractive, round green pods about 6" long, slightly curved and so thick, even when quite young, as to be double-barreled. Always tender, brittle, meaty, juicy, entirely stringless and of the finest flavor. The plants are medium-large, spreading, with dark green foliage; they are of strictly bush form, enormously productive and have yielded remarkably well under adverse conditions. Seeds are a dark coffee-brown color. A favorite bush bean for home use, canning, freezing and commercial planting.

BOUNTIFUL. 51 days. 7¼" pods semi-round, straight and sweet flavor. **STRINGLESS.**

BLACK VALENTINE STRINGLESS. 49 days. 6" pods slender and semi-round. Plants vigorous and productive.

PLENTIFUL. 54 days. Black seeded, pods are straight, dark green and **STRINGLESS.**

WAX or YELLOW-PODDED

All Yellow Wax, except Bountiful:

½ pt., 30c; pt., 50c; qt., 90c;

2 qts., \$1.70; 10 lbs., \$3.70;

25 lbs., \$8.00; 60 lbs., \$18.00

BOUNTIFUL WAX. 60 days. A good yielder. 6½" pods are flat, straight, deep yellow. **STRINGLESS.**

½ pt., 30c; pt., 45c; qt., 85c; 2 qts., \$1.60; 10 lbs., \$3.25; 25 lbs., \$8.40; 60 lbs., \$16.75.

BURPEE BRITTLE WAX. 62 days. Vines 15" high. 6" pods are slightly curved, round, deep yellow. **STRINGLESS. CANNING VARIETY.**

BURPEE GERMAN BLACK WAX. 59 days. Extra fine, round yellow 6½" pods. Seeds are black, kidney-shape.

BURPEE ROUND-POD KIDNEY WAX. 62 days. Very productive. 6" pods oval, quite straight, and deep yellow. **STRINGLESS. CANNING VARIETY.**

PUREGOLD WAX. 58 days. 5½"-6" pods are slim round golden yellow. Bush dark green about 13" high. Resistant to common bean mosaic. **STRINGLESS. CANNING VARIETY.**



SUPERGREEN



All-America Selections—Bronze Medal

SHELL

All Shell Beans: ½ pt., 25c; pt., 45c; qt., 80c; 2 qts., \$1.50; 10 lbs., \$3.20; 25 lbs., \$7.50; 60 lbs., \$15.00

DWARF HORTICULTURAL. 56 days. Bird egg—used both as shell and snap beans. 4"-5" pods are broad, flat, dark green streaked with red. **STRINGLESS.**

RED KIDNEY. 95 days. Dwarf grower and very hardy. 5½" pods waxy green color, oval-flat type.

ROBUST PEA BEANS (Navy Beans). 110 days. 3½" pods. Small, white baking bean of extra fine quality. Hardy and productive.

WHITE KIDNEY. 100 days. 5¾" pods. Excellent for dry shelled use. Plant large, bushy, productive.

WHITE MARROWFAT SOAP. 100 days. Extra fine shell bean. 5½" pods large, flat, and straight. 5 to 7 pure white seeds each pod. For baking.



GOLDEN CLUSTER

POLE BEANS

GREEN-PODDED

Sow one quart to 150 hills

All Pole Beans: ½ pt., 25c; pt., 45c;

qt., 80c; 2 qts., \$1.50; 10 lbs., \$3.20;

25 lbs., \$7.50; 60 lbs., \$15.00

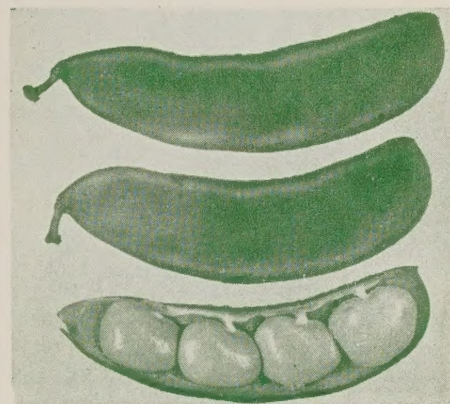
KENTUCKY WONDER (Old Homestead). 65 days. 8½" pods very meaty, curved and brittle. Stringless when young. Finest quality.

LAZY WIFE. 74 days. Good for home garden as snap, green shelled or dry beans. 5½" pods in clusters and easy to pick, thick, fleshy and **STRINGLESS.** Glossy green.

MAMMOTH HORTICULTURAL (Wooster Pole). 73 days. Large podded and seeded. 7" pods heavily splashed with red.

SCARLET RUNNER (or Snap). 65 days. Can be used like a Lima, but mostly grown for its ornamental bright scarlet flowers. 6" pods broad and meaty.

TENNESSEE WONDER (Egg Harbor Pole). 70 days. 8" pods are extremely fleshy, light green, round and deeply creasebacked. Nearly stringless. One of the best vining varieties.



FORDHOOK NO. 242

All-America Selections—Bronze Medal

WAX-PODDED

GOLDEN CLUSTER. 70 days. An excellent pole wax-podded bean, hardy and productive. 6½"-7" pod straight, broad and flat. Color light waxy-yellow.

KENTUCKY WONDER WAX. 68 days. Plant vigorous and resistant to several forms of rust, good climber, productive. 7" pods waxy yellow, oval, meaty and nearly stringless. Good flavor.

LIMA BEANS

BUSH

Sow 1 quart to 150 feet of row.

All Bush Lima, except Fordhook No. 242:

½ pt., 30c; pt., 50c; qt., 90c;

2 qts., \$1.70; 10 lbs., \$3.70;

25 lbs., \$9.00; 60 lbs., \$18.50

BABY FORDHOOK. 66 days. Thick-seeded or "potato" small lima bean of excellent quality. 2½" pods are thick, slightly curved. Excellent **CANNING** or **FREEZING VARIETY.**

FORDHOOK NO. 242. 70 days. Top ranking Lima of the large seeded potato type. 4" pods slightly curved, containing 3-4 light green beans of excellent quality. Yields well under high temperatures. **CANNING** and **FREEZING VARIETY.** ½ pt., 30c; pt., 55c; qt., 95c; 2 qts., \$1.80; 10 lbs., \$4.00; 25 lbs., \$9.50; 60 lbs., \$20.00.

BURPEE IMPROVED BUSH. 75 days. 5" pods enormous and in clusters of 5 or 6. Very productive.

HENDERSON BUSH. 65 days. Bush 16", erect, runnerless, dark glossy green. 3½" pods curved, flat, dark green with 3 to 4 beans. **CANNING** and **FREEZING VARIETY.**

ITALIAN FAVA. 90 days. Similar to the English broad beans. Late and produce a fine crop of dark green 7½" pods. Hardier than other beans.

NU-GREEN LIMA. 68 days. Strong, stocky bush, small pods but large thick sweet beans. Withstands variable weather better than other limas.

POLE

Sow 1 quart to 150 hills.

All Pole Lima: ½ pt., 25c; pt., 45c;

qt., 80c; 2 qts., \$1.50; 10 lbs., \$3.70;

25 lbs., \$9.00; 60 lbs., \$18.50

BURPEE'S GIANT PODDED. 90 days. 7" pods. Beans extra large and superb flavor. Vines 10' to 12' high and dependably productive.

DREER'S POLE (Challenger or Potato Lima). 92 days. Sturdy, productive plants. 4" pods contain 4 or 5 thick light green beans.

KING OF THE GARDEN. 88 days. Plant tall, good climber, hardy, and heavily productive. 6" pods flat, smooth with 4 to 5 large, oval greenish white beans.

Carrots Are Full of Vitamins



EARLY WONDER

All-America Selections—Gold Medal

BEETS

Sow 1 ounce to 50 feet of drill; 5 to 6 pounds per acre.

BERKS FAVORITE. 58 days. Unsurpassed in uniformity and depth of interior color. Roots semi-globular, deep red, smooth; flesh purplish red with slight zoning.
Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; ½ lb., 85c; lb., \$1.75; 5 lbs. @ \$1.50.

BURPEE'S RED BALL. 60 days. Desirable for home or market. Very early. Roots globular and smooth. Flesh is extremely dark red and very tasty.
Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; ½ lb., 85c; lb., \$1.75; 5 lbs. @ \$1.50.

CROSBY'S EGYPTIAN. 60 days. Good for early market. Roots flattened globe shape; skin fairly dark red, flesh lighter and lightly zoned. Tops small.
Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; ½ lb., 85c; lb., \$1.75; 5 lbs. @ \$1.50.

DETROIT DARK RED. 68 days. Standard variety for truckers, shippers and canners. Roots globular, uniform; flesh dark red with indistinct lighter red zones. Sweet and tender.
Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; ½ lb., 85c; lb., \$1.75; 5 lbs. @ \$1.50.

EARLY WONDER. 58 days. Good variety; roots semi-globular, dark purplish red, with small tap root. Flesh blood red with zones somewhat lighter zoning.
Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; ½ lb., 85c; lb., \$1.75; 5 lbs. @ \$1.50.

LUTZ'S GREEN LEAF. 75 days. For home gardens. Tops glossy green, with pink mid-rib. Flesh deep blood red with indistinct zones.
Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.35; lb., \$2.00; 5 lbs. @ \$1.80.

NEW CENTURY. 75 days. An excellent main crop beet, which cooks a very deep dark red. Of good quality and an excellent keeper.
Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.35; lb., \$2.00; 5 lbs. @ \$1.80.

NEW HALF LONG. 60 days. Sweet and tender, rich dark red in color. Good winter keeper.
Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; ½ lb., 85c; lb., \$1.75; 5 lbs. @ \$1.50.

SCHELL'S FAMOUS BLACK KNIGHT. 60 days. Unexcelled in quality, shape and color. richly flavored and uniform for bunching.
Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.35; lb., \$2.00; 5 lbs. @ \$1.80.

SCHELL'S HARRISBURG MARKET. 48 days. Finest extra early, dark red throughout. Shape uniform, flesh highly flavored and tender.
Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.35; lb., \$2.00; 5 lbs. @ \$1.80.

MANGEL-WURZEL and SUGAR BEETS

MAMMOTH LONG RED. Enormous roots, averaging 30 to 50 tons per acre.
Pkt., 10c; oz., 20c; ¼ lb., 55c; Lb., \$1.75; 6 lbs. (enough for an acre), \$9.25.

GOLDEN TANKARD. Bright yellow; large. Tends to give color to milk.
Pkt., 10c; oz., 20c; ¼ lb., 55c; Lb., \$1.75; 6 lbs. (enough for an acre), \$9.25.

BROCCOLI

CALABRESE. Italian Green Sprouting Broccoli makes a large head of bright green, tender sprouts, which are cooked like Spinach or Brussels Sprouts and have a most delectable flavor. Sow the seed in May and harvest in August.
Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.



CALABRESE

BRUSSELS SPROUTS

One ounce of seed will plant a row 200 feet long and make 2,000 to 3,000 plants.

LONG ISLAND IMPROVED. A choice variety grown extensively on Long Island for the New York market, where it always brings a good price. Compact plants, 20 in. tall, with solid heavy sprouts measuring 1 ¼ to 1 ½ in. in diameter.
Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 55c; ¼ lb., \$2.00.



EXTRA-EARLY SNOWBALL

CARROTS

One ounce of seed will sow 200 feet of row.

All Carrots: ½ oz., 15c; oz., 30c; ¼ lb., 80c; ½ lb., \$1.15; lb., \$2.25; 5 lbs. or more @ \$2.00 per lb.

CHANTENAY (Red Cored). 70 days. Length 6". All-purpose variety for home, market, canning. Fine grained flesh of reddish orange.

DANVERS HALF LONG. 75 days. Length 6". Popular with many growers. Flesh deep orange, tender, tapers to a blunt point.

GOLDEN ROD or IMPERATOR. 77 days. Length 8". An outstanding Tender Sweet variety, uniformly tapered to semi-blunt end. Flesh rich orange color, fine grained, and of excellent quality.

IMPROVED LONG ORANGE. 85 days. Length 10". Best variety for garden and field crops. Roots tapered to a point.

NANTES IMPROVED CORELESS. 70 days. Length 7". Unsurpassed in quality, sweet, mild; color is orange-scarlet.



IMPERATOR

All-America Selections—Silver Medal

CAULIFLOWER

One ounce of seed produces about 3,000 plants.

For many years cauliflower has been esteemed as one of the most delicious of vegetables but until recently it was erroneously regarded as very difficult to grow. It is known now that the same methods which produce good cabbage will yield cauliflower successfully. The only significant difference in culture is that the heads of cauliflower must be protected from sunlight in order to assure a white curd which is so desirable. This is most readily accomplished by gathering the tops of the leaves together loosely as soon as the heads begin to form. Shut off the light but do not cramp the head.

EXTRA-EARLY SNOWBALL. One of the best for forcing or open ground.
Pkt., 10c; ¼ oz., 75c; oz., \$2.50; ¼ lb., \$8.00.

DRY-WEATHER. This variety is especially adapted for long, dry seasons.
Pkt., 10c; ¼ oz., 75c; oz., \$2.50; ¼ lb., \$8.00.

Cabbage-Excellent Served Many Ways



EARLY JERSEY WAKEFIELD

CABBAGE

One ounce of seed will produce about 3,000 plants.

COPENHAGEN MARKET. 69 days. 6½" diameter. Heads round, solid and of superior quality. Excellent short season type. Oz., 30c; ¼ lb., \$1.10; ½ lb., \$1.95; lb., \$3.85.

DANISH BALLHEAD. 103 days. 7½" diameter. Heads deep round, hard, compact. Texture tender, crisp; ideal for kraut. Oz., 30c; ¼ lb., \$1.10; ½ lb., \$1.95; lb., \$3.85.

EARLY JERSEY WAKEFIELD. 63 days. 5" diameter. Popular variety, extra early, with small compact conical heads about 7" long. Close planting, popular with market gardeners and shippers. Oz., 30c; ¼ lb., \$1.10; ½ lb., \$1.95; lb., \$3.85.

GOLDEN ACRE. 65 days. 6" diameter. Head small, round, solid. Few outer leaves, close planting. Good for early markets. Oz., 30c; ¼ lb., \$1.10; ½ lb., \$1.95; lb., \$3.85.

LARGE LATE FLAT DUTCH. 100 days. 12" diameter. Popular for heavy yield. Heads large, flat, solid, and of high quality. Oz., 30c; ¼ lb., \$1.10; ½ lb., \$1.95; lb., \$3.85.

MAMMOTH RED ROCK. 100 days. 7" diameter. Heads round, hard and purplish red. An excellent keeper. Oz., 30c; ¼ lb., \$1.10; ½ lb., \$1.95; lb., \$3.85.

PENN STATE BALLHEAD. 105 days. 7½" diameter. Heads extremely hard, flattened globe. Desirable for winter storage and kraut. Oz., 45c; ¼ lb., \$1.65; ½ lb., \$2.80; lb., \$5.00.



PERFECTION DRUMHEAD SAVOY

PERFECTION DRUMHEAD SAVOY. 90 days. 8" diameter. Best of the Savoy type for general use. Heads nearly round, full and hard. Oz., 35c; ¼ lb., \$1.20; ½ lb., \$2.15; lb., \$4.00.

SUREHEAD. 97 days. 10" diameter. All head, large, round, flattened, very hard and fine grained. Good keeper. Oz., 35c; ¼ lb., \$1.20; ½ lb., \$2.15; lb., \$4.00.

All Yellows Resistant Varieties:

Oz., 50c; ¼ lb., \$1.75; ½ lb., \$2.80; lb., \$5.50

EARLY JERSEY WAKEFIELD. 63 days. 5" diameter. Very productive and first of this group to mature. Head pointed and good for table.

GLORY OF ENKHUIZEN. 77 days. 8" diameter. Heads large, round, solid and excellent quality. Good for shipping, market and kraut.

GOLDEN ACRE. 63 days. 6" diameter. Heads medium size, plants short stemmed, erect, and few outer leaves. Highly resistant to cabbage-yellows disease.

WISCONSIN ALL SEASONS. 95 days. 10" diameter. Hardy drumhead which shows considerable resistance to drought. Good for fall markets and kraut.

WISCONSIN HOLLANDER. 105 days. 7½" diameter. Heads round but slightly flattened. Color blue-green—a heavy cropper.



GOLDEN ACRE

CHINESE OR CELERY CABBAGE

Not a true cabbage; resembles Cos lettuce somewhat. May be served like lettuce, or, when shredded, makes a delicious cole slaw. Boiled, it is far more palatable than ordinary cabbage. Where summers are cool, seed may be sown in spring, but in the vicinity of Philadelphia, seeds sown early in August have proved to give the best results. Makes full-size heads in about 70 days after sowing.

PE-TSAL. Large, light green outer leaves. The thick, pure white heart is tender, juicy, and has an agreeably pungent flavor. Heads grow 10 to 12 inches tall. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; ½ lb., \$2.25.

WONG BOK. Short, broad, tightly folded, well-blanching heads 8 to 10 inches high. Excellent quality, crisp and delicious. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; ½ lb., \$2.25.

CHIHILI. Deserves to be largely planted as it is an early and sure-heading Chinese Cabbage, growing 18 to 20 inches tall and about 3½ to 4 inches thick. The firm, well-blanching, white heads taper near the top. Leaves are broad, smooth and fringed at the edges. For market and roadside sales, Chihili is extensively grown, for the large attractive heads. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; ½ lb., \$2.25.

CELTUCE

BURPEE'S CELTUCE. Grows easily and quickly, forming a rosette of light green leaves which may be used, when young, as "greens." In less than 90 days after seed is sown, the central stem or stalk of the plant is usable and will be found most tender at this age. Celtuce stalks are solid throughout, the skin greenish white and tough but the inside is very succulent, most delicate pale green, crisp and brittle. Young Celtuce leaves have 4 times the Vitamin C content of head-lettuce leaves. Pkt., 15c; ¼ oz., 30c; ½ oz., 55c; oz., \$1.00.

CELERIAC

(Turnip-rooted Celery)

GIANT PRAGUE. Roots of good size, round, smooth, with small tops. Pkt., 10c; ¼ oz., 35c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.

CHICORY

WITLOOF, FRENCH ENDIVE. Sow in May or June in drills; thin out or transplant 6 inches apart. Cultivate the same as endive. In the fall, hill up, to blanch the bases of the leaves. Pkt., 10c; oz., 50c; ¼ lb., \$1.40; lb., \$5.00.

COLLARDS

GEORGIA. Produces a great quantity of large, succulent, cabbagelike leaves which make delicious greens. Extensively grown in place of cabbage in sections where the latter does not develop heads on account of hot weather. Three feet. Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., 75c.

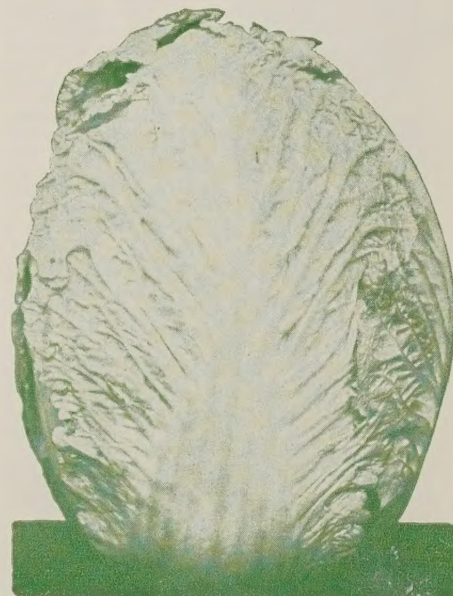
CORN SALAD

LARGE SEEDED, LARGE LEAVED. This is a small, quick growing salad plant for late fall, winter, and spring use. The leaves are used as a substitute for lettuce and spinach. During August or September sow the seed in shallow drills about 1 foot apart, covering with about ¼ inch of fine soil firmly pressed down. On the approach of severe cold weather, cover with straw. Pkt., 15c; oz., 75c.

CRESS

Sow in spring in rows a foot apart, cover seed ¼ inch. Ready to cut in four to five weeks.

EXTRA CURLED or PEPPER GRASS. 40 days. Pkt., 10c; oz., 50c; ¼ lb., \$1.75.



WONG BOK

CUCUMBERS—Easy to Grow and Can

CELERY

One ounce will sow about 300 feet of row and produce about 5,000 plants.

A row of celery in the home garden will supply a family with a delicious vegetable until late in the fall. Its hardy qualities and adaptability to various soils and weather conditions make it a very desirable crop to grow.

Excellent results are obtained from constantly moist, rich, well prepared soil. Celery seed will sprout at comparatively low temperatures but requires constant and abundant moisture. It is slow to germinate and even under favorable conditions cannot be expected to start within 2 weeks. For fall and winter use in the North, celery may be planted from March 15th to April 15th. Plantings in other sections can be governed accordingly. The soil for starting plants should be fine and loose and seed must be covered only $\frac{1}{4}$ inch deep. Prick out about 3 inches apart each way when seedlings have 3 or 4 leaves started. Keep the soil well moistened at all times and transplant to open ground when plants are 75 to 90 days old. Space the rows according to the methods of blanching. 5 to 7 feet are required for soil blanching and 2 to 4 feet for other methods. Set the plants 8 to 12 inches apart to the row. To avoid pithiness or rotting of the stalk do not cover for blanching during warm weather.

EMPEROR (FORDHOOK). Outer leaves dark green, fading to a yellowish green inside. Stalk large, thick, heavy, tender, crisp, very little fiber; blanches to pale gold heart. Height, 18"; 125 days.
Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.00.

GOLDEN PLUME. Well suited to market garden planting and to shipping. Plant of medium height with compact, full heart; blanches readily to golden yellow; of excellent quality. Height, 20"; 115 days.
Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.00.

HOUSER. Absolutely the best green celery without excepting any. When blanched it becomes a beautiful creamy white, full of hearts, and every stem of it to the outside is delicious. It is not surpassed as a good keeper, and is the leading green celery in every market. Height, 18"; 125 days.
Pkt., 10c; $\frac{1}{2}$ oz., \$1.00; oz., \$1.75; 2 oz., \$3.00; $\frac{1}{4}$ lb., \$5.00; $\frac{1}{2}$ lb., \$8.00.



SALT LAKE (Utah)

SALT LAKE (UTAH). A very desirable green type. Plant stocky, full hearted and compact; blanches readily. Stems thick, solid, medium broad and full rounded; of nutty flavor and fine quality. Height, 18"; 122 days.
Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.00.

EASY BLANCHING. An excellent second early green variety for home gardens and truckers. Vigorous and compact in habit of growth, it blanches readily to attractive white, and is a good keeper. Stalks are thick, solid and of good flavor. Height, 20"; 122 days.
Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.00.

GIANT PASCAL. Green leaves. Keeps well. Blanching to yellowish white. Solid, crisp, fine flavor. Height, 24"; 135 days.
Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.00.

WHITE PLUME. Leaves bright green, tinged with white; stalks medium, easily blanched to pure white; solid, crisp and of good quality. Height, 18"; 110 days.

Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.00.

WINTER QUEEN (SCHUMACHER). A medium dwarf, winter variety, earlier than Giant Pascal. Stalks light green, broad, solid and crisp; blanches well to creamy white. Height, 18"; 130 days.
Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.00.

CUCUMBERS



A. B. C.

A B C. 68 days. 10 $\frac{1}{2}$ " length. A leading variety for shipping and market gardens. Fruits uniform, nearly cylindrical, dark green tapering at ends.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.35; lb., \$2.55.

IMPROVED WHITE SPINE. 60 days. 7 $\frac{1}{2}$ " length. Good for slicing or dill pickles. Long, straight fruits about 2 $\frac{1}{2}$ " thick, with square, blocky ends.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.00; lb., \$2.00.

DAVIS' PERFECT. 58 days. 9 $\frac{1}{2}$ " length. Shapely white spine cucumber, thick in middle, tapering ends, solid, brittle and tasty with few seeds.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.00; lb., \$2.00.

EARLY FORTUNE. 58 days. 9" length. Dependable. Flesh is pure white, firm, and crisp texture. Flavor is delicious. Excellent for home and market; ships well.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.00; lb., \$2.00.

EARLY GREEN CLUSTER. 54 days. Very prolific, small but of good form. Especially fine for pickling.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.00; lb., \$2.00.

EARLY JERSEY. 54 days. Very productive; the small fruits are used for pickles, larger ones for sweet pickles.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.00; lb., \$2.00.

EVERBEARING. 54 days. 4 $\frac{1}{2}$ " length. Heavy yielder and comes early. If fruits are kept gathered, vines will continue bearing throughout the season.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.00; lb., \$2.00.

EXTRA EARLY GREEN PROLIFIC (Boston Pickling). 58 days. 5" length. Bright green fruits are about 2 $\frac{1}{2}$ " thick, nearly smooth, with blunt ends.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.00; lb., \$2.00.

LONDON LONG GREEN. 67 days. 11" length. Fruits deep green, slightly tapered; heavily warted, good quality. Young fruit makes fine pickles.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.15; lb., \$2.25.

LONGFELLOW. 70 days. 12" length. Excellent long, slender, dark green variety, good for greenhouse forcing or outdoor culture, and good variety to ship.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.15; lb., \$2.25.

STAYSGREEN or BLACK DIAMOND. 63 days. 8" length. Popular, early dark green variety in the white spine class. Young fruit desirable for small pickles.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.15; lb., \$2.25.

STRAIGHT "8". 66 days. 8" length. Fruits uniformly cylindrical, white spine, rounded at ends, medium green. Ideal shipper and good for home or market gardens.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.15; lb., \$2.25.

WEST INDIA GHERKIN. 60 days. Prolific producers, small, suitable for pickling.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.15; lb., \$2.25.

WHITE WONDER. 60 days. 7" length. Grown for its unusual color, greenish white, black spined variety, cylindrical with rounded ends.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.15; lb., \$2.25.



IMPROVED NEW YORK SPINELESS

EGGPLANT

This is a semi-tropical plant which requires continuous warm weather for best results. The seed germinates slowly and should be started in a hot bed. The plants may be set out in the open ground when 2 inches tall if continued warm weather is in prospect. Space the plants 2 $\frac{1}{2}$ to 3 feet apart. Young plants should be shaded from hot sun and sprayed with Paris Green as a protection from potato bugs.

BLACK BEAUTY. Fully 10 days earlier than Improved New York Spineless. Healthy grower and large fruit.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$2.25.

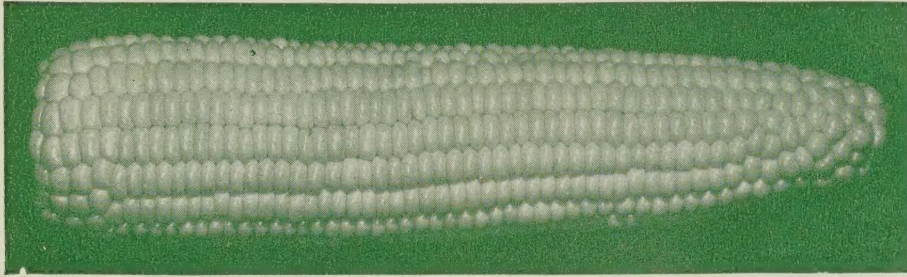
IMPROVED NEW YORK SPINELESS. Quite free from spines. Fruit of large size and perfect form. Two weeks earlier than the old variety.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$2.25.

FLORIDA HIGH BUSH. Plant upstanding, holding fruits off the ground. Fruits elongated, tapering towards stem; dark purple. A hardy variety, resistant to drought and disease. Height, 32"; 80 days.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$2.25.

What is better than New Picked CORN?



TENDERMOST BANTAM HYBRID

SOMETHING NEW FOR YOUR GARDEN!

Here is one of the most delightful gardening discoveries in years—Hybrid Sweet Corn.

Expert horticulturists have crossed and re-crossed dozens of strains, bringing out the finest qualities of each. Then all these ideal characteristics were combined into one great new corn called "hybrid sweet corn," in both the yellow and white varieties. Big ears with giant size kernels so tender, sweet and milky, take the place of all other kinds.

And here's how it grows. Plants are strong, sturdy, uniform with a rich green color. Ears are borne on the stalk at a uniform height, making it easy picking, nice appearing. And, what's more important it yields more. Ears are bigger and you get more of them.

But that's not all. The really grand part is that you have this sweet corn coming all summer long! The earliest hybrid ripens 59 days after planting, the latest takes 95 days. Just plant several different maturing hybrids at one time, and pick the world's finest sweet corn from your own garden throughout the entire summer.

SWEET CORN

HYBRIDS

All Hybrid Corn: ½ lb., 35c; lb., 65c;
5 lbs., \$2.95; 10 lbs., \$5.25;
25 lbs., \$10.50; 50 lbs., \$18.50

ARISTOGOLD BANTAM. 83 days. 9", 12-14 row ears. Top winner in All America Seed Trials. Exceptional yield in all types of weather. Sweet, tender and delicious.

CARMELCROSS. 75 days. 7", 12-14 row ears. Broad rows, medium depth, yellow kernels. Good yielder.

GOLDEN CROSS BANTAM. 85 days. 8", 10-14 row ears. Uniform ears, highly resistant to bacterial wilt. Kernels rich yellow, medium size.

IOANA. 90 days. 8½", 12-16 row ears. High yielding, popular for canning and market garden. Rows medium width, light yellow kernels, uniform.

MARCCROSS C-13x6. 76 days. 7½". Popular early yellow, with medium broad kernels of good quality.

SILVER CROSS BANTAM. 82 days. 8½". 12-14 row ears. The best flavor in a white corn.

SPANCROSS. 66 days. 6½", 12 row ears. Yellow kernels, uniform and good quality. Extra early, wilt resistant.

STOWELL'S EVERGREEN. 95 days. 8"-9", 16 row ears. White kernels, high yielding, large ears. Good for canning, market and garden.

TENDERMOST BANTAM. 83 days. 9", 14-16 row ears. Most tender and sugary-sweet. Good resistance to smut, easy growing and best eating.

VICTORY (Alphagold). 59 days. 7", 8-10 row ears. Earliest sweet corn, yellow, yields well, rapid growth.

OPEN POLLINATED VARIETIES

All Open Pollinated Varieties, except
Aunt Mary's: ½ pt., 20c; pt., 30c;
qt., 50c; 2 qts., 90c; 10 lbs., \$2.80;
25 lbs., \$6.25; 50 lbs., \$10.75

AUNT MARY'S CORN. 95 days. 7½", 8 row ears. Small cob, pure white kernels, sweet and tender. Holds for weeks after ready to eat.

½ lb., 35c; lb., 55c; 5 lbs., \$2.80.

BLACK MEXICAN. 88 days. 7"-8", 8 row ears. An old variety with sweet, tender kernels, white at eating stage, turning to blue-black at maturity.

COUNTRY GENTLEMAN. 95 days. 7"-8". Shoe peg with deep fine grains irregularly placed. White and exceptionally sweet.

EARLY EVERGREEN. 90 days. 8", 14-20 row ears. Medium size white kernels of good quality and sweetness. Market, garden and canning.

GOLDEN BANTAM. 78 days. 6½", 8 row ears. Highest flavor and sweetness. Excellent Northern strain, hardy.

GOLDEN COUNTRY GENTLEMAN. 95 days. 7". Shoe peg with deep fine grains irregularly placed. Prolific variety, yellow and very sweet.

GOLDEN EVERGREEN. 86 days. 6"-8", 12-14 row ears. Medium width kernels, good quality, and good yielder. Canning and market variety.

HOWLING MOB. 87 days. 7", 12-16 row ears. Prolific for home and market gardens. Kernels white, plump, medium width.

STOWELL'S EVERGREEN. 98 days. 8"-9", 16 row ears. Grains long and white. Hardy and high yielding. Good for canning, market and garden.

WHIPPLE'S EARLY WHITE SWEET CORN. 80 days. 7"-8", 16-20 row ears. Kernels deep and wedge shaped. Of good quality and high sugar content. Market and garden.

WHIPPLE'S EARLY YELLOW. 82 days. 7"-8", 12-16 row ears. Broad rows of deep yellow kernels. Fine quality for market and garden.

MONEY MAKER. 95 days. 7½", 8 row ears. Late sugar corn. Grains large, broad and shallow, cobs long and thin. Milky sweetness.

POP CORN

MONARCH WHITE RICE. This is the best Pop Corn for home or market. Select ears. ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

QUEEN'S GOLDEN. Stalks grow 6 feet high, with large ears produced in abundance. It pops perfectly white and a single kernel will expand to a diameter of nearly one inch. ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75.

DANDELION

Sow early in spring, in very warm, rich soil, in drills 18 inches apart; thin to 5 inches and cultivate well; they will be fit for cutting the next spring. When grown for the roots, sow in September and cultivate well during the fall and the following summer; the roots will be fit to dig in October.

IMPROVED BROAD LEAVED. Unsurpassed in thickness of leaf and deep green color. It is compact and forms an upright regular tuft at the center. This cabbaging sort is much superior to the common or uncultivated dandelion.
Pkt., 10c; ½ oz., 40c; Oz., 75c; ¼ lb., \$2.50.

ENDIVE

Ounce sows a row 200 ft.; 4 lbs. to acre

Sow seed in early spring, then again in June or July for late crop. Tie up the leaves for two weeks with soft twine or raffia to blanch them before using or selling.

FULL HEART BATAVIAN (Escarolle). Large broad, plain, dark green leaves, curled only slightly on the edges and blanching to beautiful yellow. 71-80 days.
Pkt., 10c; oz., 25c; ¼ lb., 60c; ½ lb., \$1.00; lb., \$1.75.

GREEN CURLED. The most hardy and vigorous sort, leaves bright, deep green with the outer midribs usually showing a trace of rose, readily blanches a creamy white. 76 days.
Pkt., 10c; oz., 25c; ¼ lb., 60c; ½ lb., \$1.00; lb., \$1.75.

WHITE CURLED. A very distinct, small sort. Plant 12-13 inches in diameter, leaves finely curled with broad ribs slightly rose tinged. Creamy white at the heart. Handsome in appearance and of fine flavor. 73 days.
Pkt., 10c; oz., 25c; ¼ lb., 60c; ½ lb., \$1.00; lb., \$1.75.



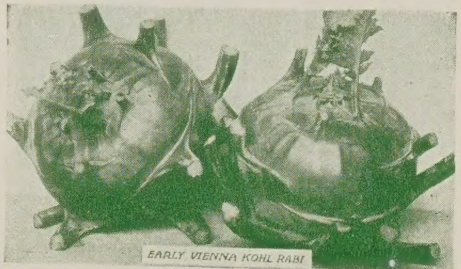
BATAVIA FULL HEART
All-America Selections—Award of Merit

KOHL-RABI

The edible part is the turnip-shaped bulb formed above the ground. It is tender and excellent when used before being fully grown, combining somewhat the flavors of cabbage and turnips. Seed should be sown in light, rich soil as early in spring as possible in rows 1½ feet apart and when well established thin to 6 inches apart in the row. Plantings at intervals of 10 days will give a succession until hot weather, when they fail to grow well. Plantings made the latter part of July for fall use.

EARLY WHITE VIENNA. An early, smooth, white, medium-sized variety having few leaves. Ready for use in about 10 weeks.
Pkt., 10c; ½ oz., 35c; oz., 55c; ¼ lb., \$1.25.

EARLY PURPLE VIENNA. Later than Early White Vienna.
Pkt., 10c; ½ oz., 35c; oz., 55c; ¼ lb., \$1.25.



EARLY VIENNA KOHL RABI

LETTUCE --- Favorite for Salads

HERBS—Aromatic, Medicinal, and Pot

Herbs belong in every vegetable garden and, because of their ornamental appearance, may also be grown in the flower garden to serve a double purpose. We offer seed of the most popular varieties, for which you will find use throughout the season. For winter, dry the foliage and keep in air-tight bottles. In the case of Dill, the seeds are also used for flavoring.

CATNIP or CATMINT. 60 days. Perennial. The green or dry leaves are used for seasoning. An excellent tonic for animals. Also used at tea for nervous headaches. Easily grown.
Pkt., 10c; ½ oz., 35c; oz., 60c.

CHIVES. 80 days. Hardy perennial plants of the Onion type. Easily grown from seed. The small leaves are used for flavoring and seasoning and when minced are tasty in sandwiches.
Pkt., 10c; ½ oz., 25c; oz., 40c; 4 oz., \$1.20; ½ lb., \$2.20; lb., \$4.00.

DILL. 70 days. Annual. 2½ feet tall. The young stems are nice for flavoring soups and sauces and are used extensively in a minced state with lettuce. The dry branches and seeds are much prized for flavoring dill pickles.
Pkt., 10c; oz., 15c; 4 oz., 30c; ½ lb., 50c; lb., 85c.

FENNEL FLORENCE. Also known as Finocchio. 60 days. Annual. One of the finest delicacies. The enlarged leaf base is used in fish sauces; stalks are eaten like Celery.
Pkt., 10c; oz., 20c.

LAVENDER, TRUE. 60 days. Perennial. Flowers are dried and placed in the linen closet to impart their perfume to the linens. Also used as a repellent to moths. Flowers are lavender-blue.
Pkt., 10c; ½ oz., 30c; oz., 50c.

SWEET MARJORAM. 70 days. An annual, delicacies. The enlarged leaf base is used or dried in special dishes, and particularly in the manufacture of sausages. Used as tea it will be found helpful for indigestion.
Pkt., 10c; ½ oz., 20c; oz., 35c; 4 oz., 95c; ½ lb., \$1.50; lb., \$2.75.

SAGE. 70 days. An indispensable perennial much in demand for adding flavor to many different kinds of dishes. Used either fresh or dry. As tea, very effective against coughs and sore throat.
Pkt., 10c; ½ oz., 20c; oz., 30c; 4 oz., 90c; ½ lb., \$1.40; lb., \$2.50.

PEPPERMINT. 65 days. A perennial herb that is used for flavoring drinks, sauces and jellies. Grown best in moist locations.
Pkt., 35c; 2 pkts., 65c; 3 pkts., 90c.

SUMMER SAVORY. 60 days. An annual herb growing 12 inches tall, used for flavoring salads, dressings, and gravies.
Pkt., 10c; oz., 20c; 4 oz., 50c; ½ lb., 75c; lb., \$1.25.

THYME. 70 days. A perennial with aromatic foliage which is used for flavoring soups, stews, gravies, etc. As tea it is an excellent remedy for coughs.
Pkt., 10c; ½ oz., 25c; oz., 45c; 4 oz., \$1.35; ½ lb., \$2.45; lb., \$4.50.

KALE or BORECOLE

This is a species of the cabbage family and is extensively grown for greens, especially in the South. Most varieties have heavy, densely curled foliage of beautiful green and the dwarf varieties are desirable for ornamental garden use. The culture is practically the same as that of late cabbage but as the plants will withstand several degrees of frost they can be allowed to grow late into the fall. They are regarded by many as at their best after the first heavy frosts.

DWARF-CURLED SCOTCH KALE. This is the variety usually sown in the fall for spring market. It is low-growing with finely curled leaves of deep green.
Pkt., 10c; oz., 35c; ¼ lb., 95c.

LETTUCE

One ounce of seed will sow 100 square feet or 120 feet of drill.

Lettuce is the number one salad crop. And, of course, you, like everyone else, want the really crisp, fresh leaf lettuce. Well, this year treat yourself by planting a row of Black Seeded Simpson or Simpson's Early Curled.

Perhaps you prefer the head lettuce; if so, plant some Big Boston, the large solid full-flavored kind that the market grower can't supply as it has a tendency to spoil in shipping.

Although hot weather is hard on most head lettuce, we suggest you try Great Lakes and see the amazing results even in hot weather. It bolts to seed slowly and since it is a fast-growing crop needs plenty of water. Lettuce thrives on lots of nitrogen so we suggest a light sprinkling of nitrate of soda, which will pay you dividends on your lettuce crop.

LEAF LETTUCE

GRAND RAPIDS. An excellent forcing variety as well as one of the best for outdoor planting. Plant erect; leaves medium light green, very curled and fringed. Stands heat and dry weather well. 43 days.
Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.00; lb., \$1.85; 5 lbs., \$1.75; 10 lbs., \$1.60; 25 lbs., \$1.50.

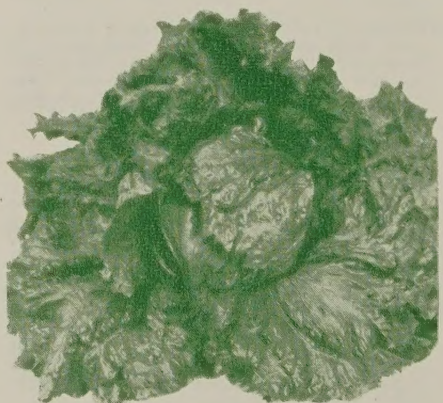
EARLY CURLED SILESIA. A favorite curled or loose-leaved sort for the home garden.
Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.00; lb., \$1.85; 5 lbs., \$1.75; 10 lbs., \$1.60; 25 lbs., \$1.50.

EARLY PRIZE HEAD. A non-heading variety. Very early, quick growing, making a lot of good eating leaves of excellent flavor. Leaves are light green with very ragged brown edges. A most popular variety with home gardeners. 47 days.
Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.00; lb., \$1.85; 5 lbs., \$1.75; 10 lbs., \$1.60; 25 lbs., \$1.50.

BLACK-SEEDED SIMPSON. Forms large, loose yellowish-green leaves, crumpled and frilled, exceedingly tender and crisp. Very popular home garden variety as it is very early. 46 days.
Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb., 65c; ½ lb., \$1.00; lb., \$1.85; 5 lbs., \$1.75; 10 lbs., \$1.60; 25 lbs., \$1.50.

OAK LEAF. 40 days. Forms a tight bunch or rosette of medium green leaves which are deeply lobed, with the end lobe elongated, giving the plant a spiky appearance. Tender, heat resistant, of excellent quality retaining its flavor late in summer after other varieties have turned bitter. Seed crop is short.

Pkt., 15c; ½ oz., 20c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.40; lb., \$2.40; 5 lbs., \$2.25; 10 lbs., \$2.00; 25 lbs., \$1.90.



IMPERIAL NO. 847



GREAT LAKES
All-America Selections—Bronze Medal

HEAD LETTUCE

GREAT LAKES. 82 days. Bronze Medal, 1944 All-America Selections. A decidedly crisp heading lettuce of the Imperial type. It is of excellent quality and exceedingly sweet and tender. A superior summer Lettuce that stands heat and sun and is exceptionally resistant to tip-burn injury. Very slow to shoot to seed. It does equally well in cool weather and will produce large solid heads.
Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; ½ lb., \$2.50; lb., \$4.25; 5 lbs., \$3.90.

IMPERIAL 44. Heads medium dark green, very large, solid and firm, slightly flattened and of good market type and quality. 82 days.
Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$3.00; 5 lbs., \$2.75.

IMPERIAL 847. Heads are medium large, hard, fine and well covered by the inner leaves. Stands up well in summer weather, resisting tip burn. 84 days.
Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$3.00; 5 lbs., \$2.75.

NEW YORK 515. An early variety well adapted to summer and early fall production; resistant to tip burn; prominent ribs and heavy core. Heads medium large, compact, attractive. 75 days.
Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$3.00; 5 lbs., \$2.75.

ICEBERG. Large curly leaves of bright, light green with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curves strongly to the center, making it impossible for the leaves to open outward and expose the center which is constantly and thoroughly blanched. 80 days.
Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 70c; ½ lb., \$1.35; lb., \$2.50; 5 lbs., \$2.25.

IMPROVED HANSON. Plant very large with thick yellowish-green leaves; heads large, firm and cabbage-like with sweet, tender heart. Good for midsummer planting and popular with home gardeners. 78 days.
Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 70c; ½ lb., \$1.35; lb., \$2.50; 5 lbs., \$2.25.

WHITE BIG BOSTON. Similar to white seeded Big Boston, but with leaves slightly lighter green and free from a brown tint; heart buttery yellow; of excellent quality. Highly desirable for nearby markets. 76 days.
Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00; ½ lb., \$1.50; lb., \$3.00; 5 lbs., \$2.75.

MAY KING. An extremely early heading sort, for earliest outside planting, and for greenhouse forcing. Leaves yellowish green, tinged with brown at edges. Heads small, compact with golden yellow interior and buttery flavor of fine quality. Days from sowing to marketable stage, 63.
Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 70c; ½ lb., \$1.35; lb., \$2.50; 5 lbs., \$2.25.

CANTALOUPE---Big, Sweet and Juicy

HEAD LETTUCE---Continued

BIG BOSTON. Fine for coldframes or out-doors. Heads large and solid. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 70c; ½ lb., \$1.35; lb., \$2.50; 5 lbs., \$2.25.

ABEL'S ALL THE YEAR ROUND. A variety for sowing in the fall for wintering over to have early head lettuce the first thing in the spring. Finest quality, solid heads with creamy yellow center. Sow the seed about August 15 to September 10. About the end of October set the plants to remain permanently in as warm and favorable situation as possible. Protect with straw during frosty weather. Heads begin to form in April. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; ½ lb., \$2.50; lb., \$4.25; 5 lbs., \$3.90.

BLACK SEEDED TENNISBALL or SALAMANDER. An especially fine Lettuce forming solid heads of superb quality, large size, and nearly round form, with a golden yellow heart protected by broad, crumpled outer leaves of medium green color. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 70c; ½ lb., \$1.35; lb., \$2.50; 5 lbs., \$2.25.

COS or ROMAINE

This class is quite distinct from the other classes of lettuce. It is frequently called celery lettuce on account of its erect habit of growth and because it possesses dark colored spatulate leaves with prominent midribs. For best results it should be planted for late summer or early fall use as it does not make solid heads in hot weather. When grown in the home garden each plant should have ample room and should be thinned to about 8 inches apart.

The earliest sowing may be made in February or March under glass, with slight heat. For later supply, sow in the open ground, and as soon as the season permits, thin out rows two feet apart and a foot between the plants. Requires good ground and abundant moisture.

SELF-FOLDING COS or ROMAINE. Sow early and tie up to blanch. Long-leaved, crisp and tender. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., 90c; ½ lb., \$1.50.

LEEK

One ounce will sow 100 feet of drill.

This is a widely cultivated species of the onion family. It is highly esteemed as a fall and winter substitute for green onions. Also regarded by many as superior in tenderness and flavor when cooked. The leaves are flat and the stems are large, cylindrical and bulbous. Sow early in spring in rows 12 to 15 inches apart, covering ½ inch deep. Thin the plants to 6 inches apart in the row and draw the earth about them when cultivating. If one desires very white and tender leeks, transplant when about 6 inches tall, setting 4 inches apart in trenches about 2 feet apart and gradually earth up like celery.

LARGE AMERICAN FLAG. The kind mostly grown for market. Pkt., 10c; oz., 65c; ¼ lb., \$2.25.

MUSTARD

This is a very quick growing foliage plant that is raised principally for greens. It is related to the turnip and the leaves are much like turnip tops in flavor but are more tender and the stems are not so long or so coarse. Mustard greens have a rich flavor and are fully as healthful and nutritious as spinach.

Seed may be sown from early spring to midsummer in rows 18 inches apart. Thin to 5 or 6 inches apart in the rows. The plants are in condition for use as soon as the leaves are the size of one's hand. Mustard runs to seed quickly, so successive plantings are necessary for a continuous supply.

FORDHOOK FANCY. The plume-like leaves of this variety are closely curled and finely fringed. The medium yellowish green color and compact erect habit of growth lends a decorative touch to the garden and the tender quality and fine flavor of this variety render it one of the most desirable for salads and greens.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



HALE'S BEST

MUSKMELON

One ounce of seed will sow 80 hills; 2 to 3 pounds an acre.

There are few products of the garden that give as much pleasure as ripe sweet melons fresh from the vines. With seedsmen and other plant breeders vying to produce the most delicious varieties it is now comparatively easy for the home gardener to enjoy this luscious garden prize at its best. Our list is made up of the most desirable varieties suited for growing wherever melons can be grown.

In sections where the summer is short, seed can be planted indoors or in hot beds by using small boxes, such as berry boxes. These can be transplanted to the garden when danger of frost is past. If practicable spade in a liberal fork full of well rotted manure at the bottom of each hill. The rows should be at least 6 feet apart and the hills 3 feet apart in the rows. In general the culture is practically the same as for cucumber.

All Muskmelon, except Pride of Wisconsin: Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb., 70c; ½ lb., \$1.10; lb., \$2.10

BENDER'S SURPRISE. 95 days. Skin light greenish-yellow when ripe. Delicious, large salmon-fleshed melon.

EMERALD GEM. 85 days. For home gardens; flesh thick, deep rich salmon color, flavor sweet and spicy.

EXTRA EARLY HACKENSACK. 80 days. Fruits large, globular, flattened; heavily ribbed with coarse netting. Green flesh.

FLAT JENNY LIND. 88 days. Heavily netted fruits with light green flesh of rich flavor.

FORDHOOK. 88 days. Medium sized melon, round, flattened at ends; ribbed and netted, excellent quality.

HALE'S BEST. 80 days. Early variety, fruits 6" to 6½" long, flesh thick, fine grained, deep salmon-pink, and richly flavored.

HEARTS OF GOLD. 90 days. A popular medium sized melon, fruits 5" to 6", smooth orange-salmon flesh, fine flavor.

HONEY DEW. 112 days. Green fleshed melon with smooth, ivory skin.

IMPERIAL NO. 45. 86 days. Disease resistant, orange flesh; popular commercial variety. Good producer.

PERFECTION. 90 days. For home gardens and local markets. Fruits large, flesh bright salmon, sweet and delicious.

PRIDE OF WISCONSIN. 90 days. For home gardens and local markets. Firm, thick orange flesh, excellent flavor.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.15; lb., \$2.25.

ROCKY FORD. 92 days. Fruits small, nearly round, faint ribs; flesh thick, green with salmon tinge to center.

PARSLEY

This well known vegetable is very useful for flavoring soups and for garnishing. The green leaves are used for flavoring or they may be dried crisp, rubbed to powder and kept in bottles until needed.

Parsley succeeds best on rich, mellow soil. The seed is even slower than parsnips in germinating and should be sown as early as possible in the spring, in rows 1 to 2 feet apart, covering not more than ½ inch with fine soil firmly pressed down. When the plants are well up thin 8 to 12 inches apart in the row. When the plants of the curled varieties are about 3 inches high cut off all the leaves; the plant will then start new growth of leaves which will be brighter and better curled. Later, if these turn dull or brown they can be cut in the same way; every cutting will result in improvement of the quality of the leaves.

PARAMOUNT. A recent introduction of triple curled type. Plant slow growing very dark green, tall and with stout stems for bunching. 85 days.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

PLAIN (SINGLE). Plain leaves of excellent flavor.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

DARK MOSS-CURLED. The leaves are of an extra-dark green color.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

TURNIP-ROOTED (HAMBURG). The edible portion is the fleshy root which resembles a small parsnip, and is used for flavoring soups, stews, etc.

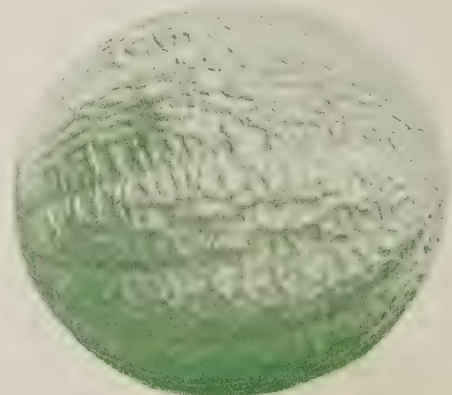
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

PARSNIP

Parsnips grow best in a loose rich sandy loam but will take good roots in any soil that is reasonably rich and deep. Stony soil and coarse raw manure is apt to produce branched or misshapen roots. The seed requires steady and abundant moisture for germination and should be sown as early as practicable. Sow in rows 2 to 2½ feet apart and when well up, thin to about 5 inches apart in the row. Keep the ground moist if possible. Parsnips are improved rather than injured by freezing, and a portion of the crop can be left in the ground all winter to be used as a spring vegetable when the ground has thawed.

LONG SMOOTH (HOLLOW CROWN). A large cropper that is tender, sugary, and popular for general cultivation, but requires a deep soil.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.40; lb., \$2.15.



PRIDE OF WISCONSIN

PEPPERS—Sweet or Hot, As You Like



SWEET SPANISH (Riverside Strain)

ONIONS

One ounce of seed will sow 100 feet of drill; 5 pounds an acre.

It is probable that no other garden vegetable is used in so many ways as the onion. Raw or cooked, alone or in combination with other vegetable, it is equally desirable. As an appetizer it has no superior and many of the housewife's cherished recipes would be incomplete without it.

A row or two of onions in the home garden will furnish a supply which will continue from midsummer to the following spring. Onions are very hardy and the seed will germinate in cool weather. It can be planted safely just as soon as the soil can be prepared. Shallow planting is advisable, $\frac{1}{4}$ to $\frac{1}{2}$ inch being about right. When 2 or 3 inches tall the young plants can be thinned enough to prevent crowding. They may be thinned when 6 or 8 inches in height and the plants which are removed will be ready for use as green onions. From then on they can be used as needed and when fully ripened the unused bulbs can be stored for winter.

YELLOW GLOBE DANVERS. An early and abundant cropper. Large, very thick bulb, flat or slightly convex bottom, full oval top, with small neck, and rich, brownish yellow skin. 110 days.
Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 50c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$1.90; lb., \$3.75.

MAMMOTH PRIZETAKER. Enormous bulb, averaging from 10 to 16 inches in circumference. A good winter keeper. The outside skin is of a rich yellow, while the flesh is white, sweet and tender. 102 days.
Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.50; lb., \$4.95.

SOUTHPORT YELLOW GLOBE. Form nearly ovoid, regular, and symmetrical; mild and pleasant flavor; slightly later than the other yellow sorts. Keeps well. 115 days.
Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.50; lb., \$4.95.

SOUTHPORT WHITE GLOBE. Handsome, uniformly globe-shaped bulbs with firm, fine-grained flesh of mild flavor. Yields abundantly. 110 days.
Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.50; lb., \$4.95.

EBENEZER or JAPANESE ONION. Not unlike Yellow Globe Danvers in shape and size but superior in flavor and a better keeper. Grown extensively for sets. 100 days.
Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 50c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$1.90; lb., \$3.75.

SOUTHPORT RED GLOBE. The deep color and symmetrical form of this onion make it very attractive. Bulbs reach full size within 110 days, keep well and are of superior quality. Very firm and of strong flavor.
Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.50; lb., \$4.95.

WHITE PORTUGAL (SILVERSKIN). Very early; rather flat in shape, mild flavored. Does not keep so well as most other varieties. 100 days.
Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.55; $\frac{1}{2}$ lb., \$2.75; lb., \$5.25.

SWEET SPANISH (RIVERSIDE STRAIN). This finely bred strain is steadily increasing in popularity due to its large size, attractive yellowish-brown covering and excellent flavor. Under favorable conditions the globe shaped bulbs often weigh 2 pounds and always possess a most delicious mild flavor. It keeps well. 114 days.
Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.50; lb., \$4.95.

ONION SETS

6 to 12 bushels (according to size) are required to set an acre in drills. Prices vary according to the market. Write for prices and samples.

PEPPERS

The garden varieties of pepper are divided into two classes, each of which has its special culinary uses. They generally are classified as "hot" and "sweet" peppers. The hot varieties are nearly all much smaller than the sweet ones and the smallest fruited varieties are usually the hottest. They are mostly used as condiments in various forms. The sweet peppers have thicker flesh, are larger and do not possess the pungent quality of the hot ones. They are becoming more popular for garnishing and in relishes, etc.

The culture is practically the same as that for egg plant and the soil and temperature requirements are about the same. A moderate dressing of guano, poultry manure or complete commercial fertilizer, hoed into the soil after the plants are 6 to 8 inches tall will be very beneficial. If fruits are kept picked, pepper plants will continue to bear all along as the weather is favorable.

ABEL'S TAXPAYER PEPPER. Very large in size, very good yielder, thickness of flesh. Tried at Abel's Acres for the past several years and found it the finest pepper on the market today. It is a handsome pepper, attractive in size and bright crimson in color. It is very prolific, yielding many peppers on every plant, and they average 6 to 7 in. long and 3 to 4 in. wide. First green, then intensely rich crimson, mild flavored, thick flesh. Matures in about 65 days. Don't fail to try it this season.
Pkt., 10c; $\frac{1}{4}$ oz., 30c; $\frac{1}{2}$ oz., 50c; oz., 90c; $\frac{1}{4}$ lb., \$2.65; $\frac{1}{2}$ lb., \$5.00.

SWEET

CALIFORNIA WONDER. This is unquestionably the leader of the sweet peppers. Vigorous growing plants bear a heavy yield of handsome blocky fruits which reach a size of 5 inches in length and 4 inches across. The thickness of flesh alone, which is often $\frac{3}{8}$ of an inch, places it above all other peppers. There is not the least trace of pungency in the flesh, and it is crisp and juicy. In the home garden these are always an object of admiration, and they are equally pleasing when served on the table.
Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 65c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.65.

WORLD BEATER. Very large, thick-meated pepper: mild flavor; bright red. Very productive.
Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 65c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.65.

SWEET-MEAT GLORY. A superior strain of the piminto pepper with beautiful large heart shaped fruits of a bright crimson-scarlet color. Peppers are $2\frac{1}{2}$ in. in diameter and measure about $3\frac{1}{2}$ in. in length. Flesh is $\frac{5}{16}$ in. thick. Sweet, mild and very tasty.
Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 65c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.65.

RUBY KING. This pepper is still the foremost pepper for market gardeners. The large green fruits are 4 to 6 inches long and 4 inches thick, tapering gradually from the crown, turning ruby-red when ripe. Thick, firm, mild and sweet flesh.
Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 65c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.65.

RUBY GIANT. A fine sweet pepper, somewhat similar to World Beater, with bright red color, superior flavor, and very productive. It stands shipping well.
Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 65c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.65.

NEAPOLITAN. A variety of sweet pepper which matures very early. It grows about 3 inches long.
Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 65c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.65.

GOLDEN QUEEN. Mild, sweet, yellow pepper. Quite attractive.
Pkt., 10c; $\frac{1}{4}$ oz., 30c; $\frac{1}{2}$ oz., 50c; oz., 90c; $\frac{1}{4}$ lb., \$2.65; $\frac{1}{2}$ lb., \$5.00.

CHINESE GIANT. The largest mild red pepper; ideal for the home garden. Plants vigorous, of stocky habit, seldom more than 2 feet high. Fruit 4 to 5 inches broad at the top. All are uniformly of enormous size.
Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 65c; $\frac{1}{4}$ lb., \$2.25; $\frac{1}{2}$ lb., \$3.65.

OSHKOSH. A medium early, attractive sort, deep glossy green in color turning to canary yellow at maturity. Fruits very sweet, smooth without lobes, broad at base tapering to blunt point, productive and attractive. Length $4\frac{1}{2}$ inches, diameter at stem $3\frac{1}{2}$ inches. Days from setting of plants to pickling, 70.
Pkt., 10c; $\frac{1}{4}$ oz., 30c; $\frac{1}{2}$ oz., 50c; oz., 90c; $\frac{1}{4}$ lb., \$2.65; $\frac{1}{2}$ lb., \$5.00.

HOT PEPPERS

LONG RED CAYENNE. 72 days. 5 in. long and about $\frac{1}{2}$ in. thick; often curled and twisted. Easily dried for winter use.
Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.

LARGE RED CHERRY. 69 days. Flattened globe fruits, $1\frac{1}{2}$ in. across; deep green turning to cherry-red at maturity.
Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.

RED CHILI. 82 days. Small, very hot, cone-shaped fruits, 2 in. long and $\frac{1}{4}$ in. across. Both skin and flesh are red.
Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.

SMALL RED CHERRY. Popular for use in pickles. Plants vigorous, upright, prolific. Fruits round, smooth, solid, very pungent; color deep green changing to deep scarlet. Length, 1"; width, 1"; 82 days.
Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c.

TABASCO. 92 days. Extremely hot, small, upright fruits, $1\frac{1}{2}$ in. long, $\frac{3}{8}$ in. thick; pale yellow turning orange-scarlet.
Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 70c.



CALIFORNIA WONDER

PEAS—A Treat, Creamed With Potatoes

All Peas: ½ pt., 20c; pt., 35c; qt., 55c;
2 qts., \$1.00; 10 lbs., \$2.80;
25 lbs., \$5.75; 50 lbs., \$11.25

Peas require moderate temperature, plenty of moisture and increasing daylight for maximum development. They are immune from injury by light frosts and may be planted as early in the Spring as the condition of the soil will permit. The earliest plantings are usually the most successful. In most every case a quart of peas equals 1½ pounds.

The time needed to reach table condition is so evenly graduated among the varieties that by planting some of the several varieties at the same time a well arranged succession can be obtained extending over a period of 30 days. Successive plantings of a desirable variety will also provide a succession but this cannot be extended over as long a period with as good results.

The seeds should be planted in rows at a depth of 1½ to 2 inches. The rows should be 21 to 28 inches apart for dwarf varieties and about 28 to 42 inches apart for the taller sorts.

ALDERMAN. Large-podded, wrinkled pea of robust habit. Pods 4½ inches long, well filled with peas of excellent flavor. Grows 5 to 6 feet tall. Season 72 days.

AMERICAN WONDER. The earliest wrinkled pea. Vines grow 10 to 12 inches high and are very prolific in pods of striking form and size and of the finest flavor. If planted in June they mature in 33 days. Particularly adapted for family use, requiring no brush or other support. Season 59 days.

EXTRA EARLY BLUE BANTAM. The best first-early dwarf wrinkled pea. The dwarf, vigorous vines average 15 inches high and carry enormous crops of large, deep bluish green pods. Its pointed pods, generally borne singly, measure 4 to 4½ inches long and are tightly packed with 8 to 10 large, deep bluish green peas. Season 60 days.

DWARF TELEPHONE (CARTER'S DAISY). Dwarf, stocky, healthy, vigorous plants frequently bearing 7 to 8 pods, 4 inches long, remarkably well filled, containing as many as 10 delicious peas. Height 18 inches. Season 70 days.

EARLY BIRD. The best-yielding, the hardiest, and the most prolific of the Laxtonian type. It is a semi-round seeded pea with a very large dark green pod of wonderful appearance and a very sturdy dwarf vine. Season 63 days. 4½ inch pods.

FREEZONIAN. A good freezing variety. Vines 30 inches, dark, medium heavy pods 3½ inches dark green blunt and the seeds are large wrinkled, wilt resistant. 63 days.

GIANT PODDED HAMPER. A new pea introduced by our grower. Dark green foliage and pods, a vine 22 inches, heavy and dark in color, pods 4½ to 5 inches, pointed. Don't fail to plant Giant Hamper and we assure you that every year you will want Giant Hamper. Season 65 days. Seed large, wrinkled.

GRADUS (PROSPERITY). An extra-early wrinkled pea, hardy and very profitable, about 2½ feet high. One of the most widely known varieties in cultivation. The reason is that it produces a Telephone pod nearly as early as Alaska. Ready for market in 60 days. 3½ inch pods.

LARGE PODDED ALASKA (AMEER). Vines 30 inches high, unbranched, bearing four to seven 3-inch pods pointed and well filled with medium size dark green peas of excellent flavor. Season 60 days.

LAXTONIAN. A giant-podded dwarf, extra-early wrinkled pea that grows only 1½ feet high and requires no support. The enormous pods are dark green, well filled with peas of fine flavor, and measure 3¾ inches in length. Season 65 days.

LITTLE MARVEL. Dwarf variety that resembles in size, quality and quantity Nott's Excelsior, but has larger pods, 3 inch, which are set heavily on vigorous vines about 15 inches in height. Season 64 days.

NOTT'S EXCELSIOR. A fine, compact, dwarf grower, with pods one-third larger than those of American Wonder, and maturing almost as early. 2¾ inch pods well filled to the ends with from 7 to 9 peas, of superior tenderness and flavor. Vines grow about 15 inches high. Season 62 days.



GIANT PODDED HAMPER

PRIDE. One of the earliest dwarf wrinkled peas. Vines about 20 inches. Medium, dark green pods 3¾ inches, blunt, straight and light green in color. Wilt-resistant. We recommend this variety for the market gardeners. Try them. 65 days.

SUPREME WILT RESISTANT. A medium late sort, desirable for the trucker. Wilt resistant vine two feet high and dark green in color. Pods 4½ to 5 inches, dark and pointed. Season 74 days. Be sure to plant this variety for a trial this season. We are sure they will please you.

SURPRISE. An early wrinkled variety of only 58 days with vines 20 inches, slim and dark. Pods 2½ inches, light and blunt, well filled. Original Gregory Strain refined. Wilt resistant.

TELEPHONE. Medium-late, wrinkled, productive variety growing 4 feet high with long, slightly curved pods. Peas of large size and best quality. Season 72 days.

THOMAS LAXTON. An early, large-podded pea which is very hardy and a strong grower, producing pods in abundance. The habit and growth of vine resemble Gradus, although the color is darker and pods more blunt. 3½ inch pods well filled with large, very sweet peas. Matures as early as many of the smooth extra-early peas and may be planted at same time. Season 60 days. Height 3 feet.

WONDER WILT RESISTANT GILBO. Vines, 24 to 29 inches; dark green. Pods 4½ to 5 inches; dark green. Maturity about 70 days. Remains tender and sweet a week to 10 days after ready to pick.

EDIBLE POD VARIETIES

The pods of this particular class are as easily cooked as snap beans and have all the sweetness and flavor of fresh green peas. Until the pods are partly filled out they are prepared in the same way as snap beans, and after the seeds are developed they are very good as shelled peas. Their excellent qualities are not generally known but wherever tried they become popular on account of their high quality and two-fold usefulness. We suggest that you become acquainted with one of the excellent varieties listed below.

DWARF GRAY SUGAR PEAS. (Purple blossom). Pods 2¾ inches on dark green wilt resistant vines. Sweet, tender and early. Height 2 feet. Season 62 days. ½ pt., 20c; pt., 35c; qt., 65c; 2 qts., \$1.20.

DWARF WHITE BLOSSOM. Very sweet. 2¾ inch light green pods. Seeds white. Grows about 20 inches. Season 62 days. ½ pt., 25c; pt., 40c; qt., 70c; 2 qts., \$1.30; 4 qts., \$2.80.

MAMMOTH LUSCIOUS SUGAR PEAS. (Purple blossom). Height 3 feet. Season 75 days. 3½ inch pods. ½ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.25.

MAMMOTH MELTING SUGAR PEAS. (White blossom). A fine new variety that produces an abundance of large, broad 3½ inch pods. Height 4 feet. Season 75 days. ½ pt., 20c; pt., 35c; qt., 65c; 4 qts., \$2.25.

OKRA or GUMBO

This is commonly grown in the South where it is very popular. Seed does not germinate well at cool temperatures and planting should be delayed until the ground is warm. Plant in rows about 2½ feet apart, dropping 4 or 5 seeds to the foot and covering about an inch deep. Thin to about 1½ feet in the row and keep thoroughly cultivated. Okra is raised for the pods which are extensively used in soups, stews, catsup and other relishes. They are at their best when 1 to 3 inches long.

CLEMSON SPINELESS. 56 days. 7 to 9 in. dark green pointed pods without spines and grooved only slightly. Plants grow 4 ft. tall and produce their long, tender, meaty, spineless pods in abundance. Pkt., 10c; oz., 25c; ¼ lb., 55c.



LITTLE MARVEL

Crisp, Tender RADISHES Pep Up a Meal

RADISHES

One ounce of seed will sow 100 feet of drill;
8 to 10 pounds an acre.

The culture of radishes is so easy and the results so sure that they are probably found in more home gardens than any other vegetable. The varieties of radish differ so distinctly and cover such a wide range of choice that the home gardener is able to obtain almost anything he prefers in the way of shape, color, size and season.

The ground for growing radishes should be finely prepared and as free as possible of small stones and lumps. Plant seed about ½ inch deep in rows 12 to 18 inches apart and when up about an inch thin to 1 or 2 inches apart. Radishes are at their best when the growth is quick and steady. A moderate temperature and constant moisture are favorable for best results. Most varieties become pithy soon after reaching full size. In order to maintain a continued supply, successive plantings should be made.

Prices on All Radishes: Pkt., 10c;
½ oz., 15c; oz., 20c; ¼ lb., 40c;
½ lb., 55c; 1 lb., \$1.00; 5 lbs., \$4.75;
10 lbs., \$9.00; 25 lbs., \$21.25

ABEL'S SPARKLER. Small, round roots with bright scarlet top, a clear white base, and small, slender tap-root. Flesh juicy, pure white, of agreeably snappy flavor.

ABEL'S RAPID RED. Small, perfectly round, with thin, bright red skin; flesh pure white, crisp. Ready for market in 20 to 25 days.

CAVALIER. 25 days. A highly colored and very attractive variety for all purposes, and especially for shipping. Tops small; roots oblong-globe, slightly longer than broad, very firm, and of bright, almost true scarlet color. Especially adapted for growing on muck land.

CRIMSON GIANT GLOBE. Suitable both for forcing and planting outdoors. In shape it is round to oval and very attractive. The flesh is mild and tender. Grows to a larger radish than in its class yet retains its crispness and solidity.

OLIVE SHAPED EARLY SCARLET (SHORT TOP). Our pedigreed stock of this popular variety is outstandingly good and well adapted to both field culture and greenhouse forcing. Roots globular, very slightly elongated with medium top, bright scarlet, crisp, tender and fine quality.

WHITE PEARL or PEARL FORCING. A beautiful pearly white, half stamp-rooted radish that is very firm and solid and remains in good condition for two weeks before becoming woody or showing any signs of going to seed.

WHITE ICICLE. The finest of all radishes and quite distinct. Roots of good size, shaped like an icicle, straight, free from any side roots. Fresh, crisp and tender, even when fully developed. For either spring or fall sowing.

LONG WHITE VIENNA (LADY FINGER). Grows to good size without becoming pithy or tough. Flesh pure white, and juicy. Use rich, moist soil which has been prepared deeply.

WHITE STRASBURG. Roots 4 to 5 inches long and 2 inches in diameter; flesh white, mild and crisp.

CHARTIERS (SHEPHERD). Attractive roots of bright crimson, tipped with white; flesh white, crisp, and of fine flavor. Easily grown and very delicious, with agreeably snappy flavor.

FRENCH BREAKFAST. Oval or olive-shaped; clear red, tipped white.

CININNATI MARKET. Clear bright rose-red counterpart of Icicle. Equally crisp and refreshing.

CALIFORNIA MAMMOTH WHITE RADISH. This is an exceptionally fine winter variety. Growing about 8 inches long and is about 2 ¼ inches thick and cylindrical.



SMALL SUGAR

PUMPKINS

Pumpkins are less sensitive than melons or cucumbers to unfavorable conditions of soil and weather. Their cultural requirements are however, much the same. They are raised between hills of corn or in open field, but more properly belong to the farm than the garden as they occupy too much room for the ordinary yard. Wherever room is available a few hills of pumpkins should be planted as they are peculiar to American cookery and constitute one of our most nutritious and pleasing dishes.

JAPANESE. Similar to the Cushaw, but the skin is a deep green, with dark stripes, turning to a rich golden yellow. Fruits mature early. The large neck is solid and meaty. Flesh deep yellow.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.50.

WHITE CUSHAW (JONATHAN). A popular crookneck with a hard, creamy white shell. Fruits 2 feet long, with long, solid, meaty neck. Thick flesh of fine quality.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.50.

YELLOW CUSHAW. A crookneck variety of rich golden color and fine flavor. One of the best varieties for home use.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.50.

STRIPED CUSHAW. Skin is striped with creamy white bands mottled green. Rich, yellow meat, tender, and of fine flavor.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.50.

GENUINE MAMMOTH JUMBO (KING OF THE MAMMOTHS). Fruits grow 2 feet or more in diameter, and from 100 to 200 pounds in weight. Salmon-orange skin; very thick, bright yellow flesh, which is fine grained, tender, and of excellent quality for pies.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.80.

SMALL SUGAR. Fruits average about 10 inches in diameter, of excellent keeping qualities, flattened or slightly ribbed. Skin deep orange-yellow; flesh very sweet.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.50.

BIG TOM (IMPROVED LARGE FIELD). Vines of strong, vigorous growth and wonderfully prolific. Fruits average 15 to 20 inches in diameter, round or slightly oval in form; reddish orange skin, slightly ribbed; rich orange-yellow flesh.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.50.

LARGE CHEESE. Our pedigreed strain, exceptionally early and uniform is particularly valuable to market gardeners and canners. Fruits very flat, weigh 10 pounds, slightly ribbed, cream colored, flesh very thick, orange-yellow and of fine quality. Length 6 to 8 inches, diameter 12 inches.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.50.



ABEL'S RAPID RED

WINTER RADISHES

One ounce of seed will sow 100 feet of drill.

These require cool weather at the finish of their growing season, though they may be started during hot weather. Make your first planting the middle of June, second middle of July, third middle of August. Sow thinly in rows not less than 15 inches apart; thin out to stand 6 inches apart. Easily stored for winter use.

CHINESE ROSE (SCARLET CHINA). Roots medium size, 4 to 5 inches long; skin deep rose; flesh white, firm, compact, free from any hard fiber or strings.

LONG BLACK SPANISH. Roots 7 to 10 inches long, 2 to 3 inches thick; skin black, flesh pure white, firm, juicy, and has a good snappy flavor. Will keep in perfect condition all winter long if stored in a frost-proof cellar.

ROUND BLACK SPANISH. Firm, crisp, white flesh. Skin black. Nearly round, four inches in diameter.

WHITE CHINESE (CELESTIAL). Roots cylindric, 12 to 15 inches long, with a diameter of 5 inches; flesh crisp, juicy, tender, agreeably mild in flavor.

RHUBARB

Good plants are easily grown in any good garden soil. Sow seed thinly in shallow drills a foot apart and thin to 4 to 5 inches. Keep soil loose and free from weeds. The plants vary considerably. Pick out the strongest and best. In fall or spring following, transplant to the permanent bed, 4 feet apart each way, in deep, warm, rich soil.

VICTORIA. The most popular variety. Comes quite true from seed.

Pkt., 5c; oz., 25c.

VEGETABLES—for Vitamins and Vitality

RUTABAGA

IMPROVED PURPLE-TOP. This special strain of Rutabaga is remarkable for uniform shape and fine quality, and is also a splendid keeper. The roots grow to large size, skin smooth, and flesh beautiful yellow and fine grained. The flavor is good, being very sweet and tender.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

EARLY NECKLESS RUTABAGA. A new variety of Improved Purple Top Yellow Rutabaga, having no neck at all, and in our opinion, the finest table quality of Rutabaga on the market. It has the added feature that it grows in two to three weeks less time than most standard stocks of rutabaga, and it can therefore be planted two to three weeks later in the fall than the usual type.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

SALSIFY

(Vegetable Oyster Plant)

One of the most desirable winter vegetables. The roots when cooked are very palatable and nutritious and are served in a variety of ways. The flavor is similar to oysters. Salsify succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will surely cause the roots to become irregular and much branched. Sow early and quite deep, giving the general culture recommended for parsnip. The roots are perfectly hardy and may remain out all winter, but should be dug early in spring as they deteriorate rapidly after growth commences. Frost does not injure the roots, but before the ground freezes a quantity for winter use may be stored in a pit or in a good cellar.

MAMMOTH SANDWICH ISLAND. Makes fine large roots of delicious flavor. The best variety.
Pkt., 10c; ½ oz., 25c; oz., 55c; ¼ lb., \$1.50; lb., \$5.00.

SPINACH

Sow 1 ounce of seed to 100 feet of drill.

Sow in rows 16 to 20 inches apart and thin to 6 inches apart in the row when leaves are an inch wide. In the North seed can be planted as soon as the ground can be prepared. In the South spinach will winter over with little or no protection. The soil for spinach should be as rich as practicable. The size and quality of the leaves is much increased by the richness of the soil.

BLOOMSDALE. Blight resistant. Savoy-leaved, very early, and one of the best for fall or early spring planting. Leaves dark green, medium size, and crumpled.
Pkt., 10c; oz., 15c; ¼ lb., 25c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25; 5 lbs., \$3.00; 10 lbs., \$4.50; 25 lbs., \$10.00; 50 lbs., \$19.00.

BLOOMSDALE LONG STANDING. A variety that has an extremely dark, green, very crumpled leaf. It stands the heat of the summer better than the regular Bloomsdale, and will stand fifteen days longer before bolting to seed. Fine for late spring and summer as well as early spring (48 days).
Pkt., 10c; oz., 15c; ¼ lb., 25c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25; 5 lbs., \$3.00; 10 lbs., \$4.50; 25 lbs., \$10.00; 50 lbs., \$19.00.

NEW ZEALAND. Entirely distinct variety. Produces a large quantity of leaves. When cut, branches out and makes new growth, producing until frost. For summer use, sow early in spring.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

VIRGINIA BLIGHT RESISTANT SPINACH. This variety only advisable in sections where soil is infested with mosaic blight or yellow. This type equal to Bloomsdale. Plants are quick in running to seed and not so suitable for spring planting.
Pkt., 10c; oz., 15c; ¼ lb., 25c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25; 5 lbs., \$3.00; 10 lbs., \$4.50; 25 lbs., \$10.00; 50 lbs., \$19.00.

SWISS CHARD

or SPINACH BEET

LUCULLUS. The stalks are as thick and broad as those of rhubarb, being 1½ inches broad, heavily ribbed, and from 10 to 12 inches long below the leaf. The extra-large leaves of thick texture are heavily crumpled or "savoyed" and of fine flavor.
Pkt., 10c; oz., 20c; ¼ lb., 75c; ½ lb., \$1.25.

BURPEE'S RHUBARB CHARD. A new Swiss Chard that looks like rhubarb. The leaf-stalks, considered by many as the most delicious part of the chard plant, are bright but delicate, translucent crimson; the rich color extends out through the veins into the dark green, heavily crumpled leaves. Easily grown, thrives everywhere. You will enjoy the different, tasty, delicious flavor of Burpee's Rhubarb Chard. Whether you cook the leaf-stalks alone, use only the leaves, or cook both together, you will find a sweetness you never knew existed in a leafy vegetable. 60 days.
Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.40; ½ lb., \$2.50.

SQUASH

Bush sorts: Sow 1 ounce to 50 hills; 6 pounds per acre.

Running sorts: Sow 1 ounce to 16 hills; 4 pounds per acre.

Early explorers of North America found squashes growing in widely separated regions. Like maize and potatoes they seem to be natives of this country. For generations squash and its near relative, the pumpkin, have been staple vegetables in the American household and have formed one of our most nutritious and valuable articles of food.

There are two distinct classifications of squash which, owing to their habits of growth and difference in character, are generally referred to as "Summer" and "Winter" Squashes.

In general the culture of squashes is the same as that of pumpkins and melons, the trailing varieties requiring as much room as pumpkins and the bush varieties take about the same space as cucumbers.

SUMMER SQUASH

GOLDEN SUMMER CROOKNECK. (53 days). The most popular summer, curved neck squash. Fruits are small, distinctly crooknecked, with bright yellow skin and salmon-orange flesh of delicious flavor and fine texture. Suitable for freezing. At their best flavor when about 4 in. long, at which size they may be prepared for boiling without being peeled. Larger fruits if left to grow may be used for boiling or fried like eggplant. Full sized fruits average 10 in. long, 2½ in. thick, the skin becoming deep golden orange and much warted. Plants are of bush growth; productive.

EARLY WHITE BUSH. (White Patty Pan). (54 days). Squashes are creamy white and scalloped around the edges; milk-white, deliciously flavored flesh. Widely used for stewing or boiling.

EARLY PROLIFIC STRAIGHTNECK. (50 days). Fruits are creamy-yellow and edible from the time they reach a length of 4 to 6 in. until they are 12 to 14 in. long. Heavy yielder and better quality than Connecticut Straightneck. Bush plants.

GIANT SUMMER CROOKNECK. (58 days). Larger than Golden Summer Crookneck, the golden yellow fruits growing 12 to 14 in. long and 3½ to 4 in. across; flesh is yellowish white. Bush plants.

COCOZELE BUSH. (60 days). Also called Italian Vegetable Marrow. Oblong, dark green fruits, 14 in. and more in length, 4 to 5 in. thick; best used when less than 6 in. long. Delicate flavor.

LONG WHITE MARROW BUSH. (55 days). A Bush Marrow with oblong fruits, 12 to 15 in. long and 4 to 5 in. thick, having smooth, creamy white skin and pure white tender flesh.

STRAIGHTNECK SUMMER. (58 days). The same squash as the Golden Crookneck, but with a straight neck. Golden orange, warted fruits, 18 in. long. Finest quality salmon-yellow flesh. Suitable for freezing. Can be prepared with little loss.

FORDHOOK ZUCCHINI. (60 days). All-American Winner. At best table stage, fruits are 12 in. long, 2 in. across, cylindrical, smooth, deep blackish green, straight to very slightly curved. If used at this size, the skin need not be removed. Flesh is creamy white and extremely tender; suitable for freezing. If left to grow, fruits may attain a length of 2 ft.

All Squash: Pkt., 10c; oz., 25c;
¼ lb., 60c; ½ lb., \$1.00

WINTER SQUASH

These produce large hard-shelled fruits which are grown to full size and may be stored for use during the winter. Valuable for baking, boiling, making pies, etc. The two varieties here listed make excellent "pumpkin" pie and are canned extensively for that purpose. Unlike summer squashes, fruits of the winter varieties must remain on the vine until fully matured; gather them before frost, leaving part of the stem attached to the fruit. Handle carefully and avoid bruising. They keep best if temperature of 70 to 75° F. is maintained for a week or two after which it should be held at 45 to 50° F. The squashes must be kept dry at all times.

TRUE HUBBARD. (115 days). Widely used. Fairly large fruits with dark bronze-green warted skin, the toughness of which makes it a favorite for shipping and winter use; if properly stored, will keep until spring. 12 in. long and 10 in. thick; weigh about 12 lbs. Attractive deep orange-yellow flesh which is fine grained, sweet and dry. The standard winter squash for all purposes, whether for freezing, home, market or shipping. We offer our own improved strain; it represents the perfection of winter squashes for pies, baking, boiling, etc. Unexcelled quality.

RED OR GOLDEN HUBBARD. (110 days). Earlier than the green warted Hubbards. Deep orange-red skin with cream-colored stripes and bright orange-yellow flesh, fine grained, sweet and of luscious flavor. Good winter keeper. Valuable for freezing and canning. Weight, 9 lbs. Attractive.

All Squash: Pkt., 10c; oz., 25c;
¼ lb., 60c; ½ lb., \$1.00

SUMMER and WINTER SQUASH

Fruits may be used before the skin hardens, but the quality will be better if they are allowed to form a hard shell; splendid for winter storage. Fine-grained, sweet, tender flesh.

ROYAL ACORN. (82 days). A family-sized Table Queen, with acorn-shaped fruits, 7½ in. long, 6 in. across, dull dark green in color, turning dull orange after a period of storage. Flesh is up to 1½ in. thick, dry and sweet, with baking quality as good as the smaller Table Queen. The keeping quality is excellent. Fruits may be used for boiling when immature, but for the best quality they should be allowed to develop until the shell is hard. Fine flavor.

ACORN OR TABLE QUEEN. (85 days). Also known as Des Moines. Acorn-shaped, 5 in. long and 4 in. thick; deeply ribbed, dark green skin and thick orange flesh that cooks dry and sweet. The baked halves make adequate individual servings. Mature fruits are good keepers and may be stored for use during the winter. Smaller sized than Royal Acorn.

FORDHOOK VINE. (85 days). A delicious vine squash of oblong shape, 8 to 10 in. long and 3 in. thick, with creamy white smooth skin and straw-yellow sweet flesh.
Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

FORDHOOK BUSH. (80 days). Light lemon-yellow oblong fruits with thick, dry, greenish white flesh. Bush form of growth makes it adaptable for the small garden.

All Squash: Pkt., 10c; oz., 25c;
¼ lb., 60c; ½ lb., \$1.00.

TOMATOES—for Juice, Soup or Eating

TOMATOES

One ounce of seed will produce about 2,000 plants.

Of all vegetables, the long bearing season and productive capacity of the tomato together with its wide range of usefulness and high vitamin content make it one of the most valuable and helpful of cultivated plants. A portion of the garden devoted to tomatoes will furnish a constant supply of fresh fruit sufficient for the family over a period of two months or more.

The seed is usually planted indoors about May 1st, using shallow boxes or flats and plant in rows about 2 inches apart. Any small container or pot will do at first for a small quantity. As soon as the seedlings are about an inch high they are "pricked out" into a larger box, spacing them about 4 inches apart; rich, loose soil is very helpful. When the weather has moderated they should be gradually hardened off or acclimated to the outside temperature. A warm, sheltered spot where they can be protected at night or in case of frost is highly desirable. About 6 weeks after seed is sown the plants are ready for setting in their permanent location. By making allowance for differences in climatic conditions, usually based on the probable date of the last killing frost in spring, every gardener can decide the approximate time for planting in his own neighborhood.

To insure early ripening and perfection of fruit it is advisable to train up and trim the vines. Unstaked they require spacing of 4 to 5 feet but staked plants may be set 2½ feet apart, since the growth is all upright.

JUBILEE NEW ORANGE-YELLOW. 72 days. A beautiful tomato averaging 6 ounces, free from cracking, smooth and globe shaped with orange flesh and yellow skin.

Pkt., 15c; ¼ oz., 50c; ½ oz., 85c; oz., \$1.60; ¼ lb., \$4.75.



RUTGERS

MARGLOBE. Introduced by the U. S. Dept. of Agriculture in 1925, this main crop variety has come into wide use by truckers and shippers, and in some sections by canners. Plant vigorous, with heavy foliage, resistant to Fusarium wilt and nail-head rust; moderately productive. Fruits medium large, nearly globular, deep red, smooth, solid, with thick walls and cross-sections; of fine quality. 77 days.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75; ½ lb., \$2.75; lb., \$5.50.

MATCHLESS. A reliable mid-season sort, well adapted to canning. Plant heavy in growth, erect, strongly productive. Fruits large, thick-flat, quite smooth, bright cardinal-red. 83 days.

Pkt., 10c; ¼ oz., 25c; ½ oz., 45c; oz., 70c; ¼ lb., \$2.00; ½ lb., \$3.50; lb., \$7.00.

OXHEART. Plant is open, spreading, only moderately productive. Fruits large, heart-shaped, somewhat rough, pink; very solid, meaty, and of mild flavor. 90 days.

Pkt., 15c; ¼ oz., 35c; ½ oz., 65c; oz., \$1.20; ¼ lb., \$4.00; ½ lb., \$7.50; lb., \$14.00.

PENN STATE. Developed by Dr. Myers of Penn State College. The plants are of the self-topping type, with short, thick vines, which allow them to be set close together. The medium sized, scarlet-red fruits are borne in clusters of 4 to 6 to a plant, and are smooth, slightly flattened, solid, and of superb quality. 80 days.

Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 95c; ¼ lb., \$2.50; ½ lb., \$3.75; lb., \$7.50.

PONDEROSA. One of the largest varieties in general use for home garden planting. Plant large and spreading, with medium green leaves. Fruits very large, flat, purplish pink, somewhat rough, with tendency to crack, solid, with small seed cells; of inviting flavor. 88 days.

Pkt., 10c; ¼ oz., 25c; ½ oz., 45c; oz., 70c; ¼ lb., \$2.00; ½ lb., \$3.50; lb., \$7.00.

PRITCHARD (SCARLET TOPPER). Introduced by the U. S. Dept. of Agriculture. All-America Gold Medal. Plant self-topping, resistant to Fusarium wilt and nail-head rust. Fruits globular with thick walls; color light scarlet, not as intense as could be desired. For market gardens, shipping and canning. 76 days.

Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.90; ½ lb., \$3.75; lb., \$7.25.

RUTGERS CERTIFIED. A recent introduction by the New Jersey Experiment Station which has deservedly achieved general popularity. Primarily intended for canning, has also proven a good green-wrap shipper and all-purpose variety of wide adaptation. Bred from Marglobe and J.T.D., it combines the best qualities of both, including Marglobe's resistance to disease and J.T.D.'s habit of ripening from the interior outwards. Plant large with thick stems and vigorous foliage. Fruits globular; bright red, smooth with thick walls and small seed cells. 86 days.

Pkt., 10c; ¼ oz., 20c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.90; ½ lb., \$3.75; lb., \$7.25.

STONE, IMPROVED. Plant large, dense, very productive. Fruits large, flattened by deep, smooth, attractive scarlet-red of fine flavor. The Asgrow strain ripens evenly and is uniform. 86 days.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75; ½ lb., \$2.75; lb., \$5.50.

TRUCKER'S FAVORITE. Fruit of regular size and form, meaty, very evenly colored deep rich purplish red from stem to blossom end. Matures between the midseason and main-crop varieties. 80 days.

Pkt., 10c; ¼ oz., 25c; ½ oz., 45c; oz., 70c; ¼ lb., \$2.00; ½ lb., \$3.50; lb., \$7.00.

SMALL FRUITED TOMATOES

RED CHERRY. 72 days. Small, round-fruited, scarlet tomatoes ¾ in. across, are freely borne in clusters throughout the summer. Gets its name from the shape and size of the fruits which are used largely for preserving and salads, or chilled, served raw and eaten whole.

Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60.

SAN MARZANO. 70 days. Highly productive and extensively grown for canning whole, for puree and making "tomato paste." Fruits are plum-shaped, 3½ in. long and 1½ in. across, non-cracking, borne in clusters and with the most intense red of all commercial tomatoes.

Pkt., 15c; ½ oz., 75c; oz., \$1.40; ¼ lb., \$4.25.

YELLOW PEAR. 70 days. Fruits are yellow, pear-shaped with definite neck; 1¼ to 2 in. long and 1 in. in diameter. Of exceedingly mild and pleasing flavor; sweet and delicious. Fine for salads in the fresh state, or for preserving and pickling.

Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60.

YELLOW PLUM. 70 days. Immensely productive small fleshy tomato, the size and shape of a plum, 2 in. long, 1½ in. across. Bright lemon-yellow skin; fine for preserves or salads. May be served whole and eaten raw. Sweet and of a most pleasing flavor.

Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.60.



MARGLOBE

BEEFSTEAK (CRIMSON RED PONDEROSA). A wilt-resistant, large variety, for home and market garden use. Plant open in habit of growth, heavy, rather light green, vigorous. Fruits large, flat, scarlet, rather smooth. 90 days.

Pkt., 10c; ¼ oz., 25c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.00; ½ lb., \$3.50; lb., \$7.00.

BONNY BEST. Standard second early variety for market gardeners, shippers and canners. Plant medium, not very hardy. Fruits slightly flattened globe shape, of medium size; smooth, solid, bright scarlet in color, of excellent quality. 73 days.

Pkt., 10c; ¼ oz., 25c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75; ½ lb., \$2.75; lb., \$5.50.

BURPEE'S DWARF GIANT (TREE TYPE). Plants are of the dwarf or tree type; fruits are flattened, with rich purple-crimson skin. The meat is fine-grained, juicy, and solid enough to stand shipping well. Desirable home garden variety for those who want to grow large sized tomatoes in a small space. 80 days.

Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.50; ½ lb., \$4.75; lb., \$8.00.

CHALK'S EARLY JEWEL. A second early sort for home gardeners and truckers, also good for canning in the North. Plant medium, with open growth; prolific. Fruits medium large, smooth, scarlet, flattened globe-shaped. Very similar to Bonny Best. 74 days.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75; ½ lb., \$2.75; lb., \$5.50.

DWARF STONE. Most widely used of the dwarf varieties. Plant short, compact, with dark foliage. Fruits large, flattened globe, exceptionally attractive bright red in color, and quite solid. 92 days.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75; ½ lb., \$2.75; lb., \$5.50.

EARLIANA. A standard first-early variety, widely adapted and valuable in areas of shorter season. Plant open, spreading, medium small, with finely cut foliage. Fruits flattened, medium sized, bright red, quite smooth. The Asgrow strain has been bred for thicker, smoother fruits. 66 days.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75; ½ lb., \$2.75; lb., \$5.50.

GOLDEN QUEEN. The leading large yellow variety. Good for home gardens and commercial juice. Plant of medium size. Fruits medium large, deep golden yellow; smooth, rather solid, of mild flavor. 84 days.

Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 90c; ¼ lb., \$2.50; ½ lb., \$3.75; lb., \$7.50.

JOHN BAE. An early sort maturing between Earliana and Bonny Best. Excellent for gardeners serving local markets and for canning. Plant of medium height and open growth. Fruits medium size, smooth, semi-globular, attractive deep scarlet, with medium walls and small core. The Asgrow strain is exceptionally early. 70 days.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75; ½ lb., \$2.75; lb., \$5.50.

Sweet, Juicy WATERMELONS, a Treat



PURPLE-TOP FLAT STRAPLEAVED

TURNIP

A planting of turnips in the home garden will furnish a supply of nourishing greens during the summer months when the spring greens such as spinach and beets are usually exhausted. Turnips serve the dual purpose of providing quickly grown greens and a subsequent crop of useful roots.

For summer use sow early in spring in rows $\frac{1}{2}$ to 2 feet apart. Plant seed about a half inch deep and press the soil down firmly and smoothly. When the seedlings appear give a liberal application of tobacco dust to prevent injury by flea-beetles and root maggots. As soon as the plants are about an inch tall thinning should be started and carried on as recommended for beets. For fall and winter use the seed may be planted as late as August.

Prices on All Turnips: Pkt., 10c; oz., 15c;
 $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 40c; 1 lb., 65c;
 5 lbs., \$3.00; 10 lbs., \$5.80;
 25 lbs., \$14.25

LONG WHITE (COW-HORN). Rather slender, tapering roots, 6 to 8 inches long, $1\frac{1}{2}$ to 2 inches in diameter at the shoulder and usually slightly curved in form. The roots grow half their length above the surface, and are pure white, with crisp, sweet flesh.

ORANGE JELLY or GOLDEN BALL. This is the best and most deliciously flavored of the yellow-fleshed turnips. It is small topped, of rapid growth, and keeps exceptionally well. The roots are of medium size, very smooth, and deep yellow skinned. Flesh is firm, crisp and of excellent quality. At a diameter of 3 inches the roots are prime for table use.

SEVEN TOP TURNIP. A turnip that produces an abundance of spreading foliage, and is widely used in the South for the production of turnip greens, and also as stock feed. Though it produces a moderate sized bulb, it is more particularly used for its abundant foliage.

RED or PURPLE-TOP FLAT STRAPLEAVED. Does well sown either broadcast or in drills, and will form good-sized bulbs.

WHITE EGG. A splendid table variety, growing to a good size. Skin clear white, tender, and most ornamental in appearance when washed for market. Flesh fine grained, of mild, sweet flavor.

RED or PURPLE-TOP WHITE GLOBE. Grows very quickly to large size, measuring 6 inches and more in diameter, and of perfect globe form, the upper portion rich purplish red, and the lower half clear creamy white. Flesh white, firm and crisp, of mild flavor.

LARGE YELLOW (AMBER GLOBE). An excellent turnip with smooth, oval roots, thick and broad at the shoulder. Skin smooth, pale amber; flesh, rich creamy yellow of excellent flavor.

WATERMELON

Sow 1 ounce of seed to 30 hills; 4 to 5 pounds per acre.

The requirements for raising watermelons are practically the same as for muskmelon except that the vines are more spreading and require considerably more room.

If the hills are liberally manured and cultivation is careful and thorough any home gardener can have these delicious fruits fresh from his own patch.

Plant in hills as directed for muskmelon and treat the same in all respects except that the hills should be about 8 feet apart.

CUT-RED WATSON. There has never been, so far, a watermelon introduced that became so popular as the Watson. It will be planted commercially for a long time yet, provided the seed planted are of known quality. Some complaint has been in evidence about the Watson variety cutting with hard centers and almost worthless for market, which caused me to work on this melon with the view of breeding up a type that eliminates the strain that produces hard white centers. I have been very successful in this work and have perfected a strain of Watson that cuts red and sweet and grows big, glossy green melons, frequently growing 50 to 60 pounds in weight; produces melons 18 to 24 inches long by 10 to 12 inches in diameter; seeds light brown smeared with darker brown; time for ripening, 95 days.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.00.

STONE MOUNTAIN. The originator of this outstanding variety combined extra-large size with earliness. In addition it combines nearly round, symmetrical shape with a very pleasing green color and produces a melon of unexcelled succulence and sweetness. Fruits weighing 60 to 80 pounds are produced in the South, and the 95 days required for maturity make it easily possible to produce correspondingly large fruits in the North.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

HALBERT HONEY. Very large, long fruits, having blunt ends and often weighing 50 pounds. The dark green rind is very thin, while the flesh is a rich crimson. Very prolific.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.



STONE MOUNTAIN



DIXIE QUEEN

GEORGIA RATTLESNAKE (GYPSY). This old southern favorite is one of the largest and best adapted for the home-garden. It has the most conspicuous striping of the oblong types. The rind is moderately thick and strong and the flesh is juicy and sweet. A very desirable white seeded variety but useful only where summers are short.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

KLECKLEY'S SWEET (MONTE CRISTO). Similar to Wondermelon. An excellent variety for home gardens and local markets. It will not stand shipping long distances. Fruits large, cylindrical, dark bluish green, with thin, tender rind. Flesh bright red, tender and extremely sweet; seed creamy white with traces of brown. 30 lbs.; 85 days.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.50.

ABEL'S SUGAR STICK. Vines strong, vigorous, setting many melons measuring from 20 to 24 inches in length, with an average weight of 30 pounds. Rind thin and tough; skin light grayish green with narrow darker green lines, giving a mottled effect of small half-inch squares; flesh deep, rich red, with broad, solid heart, crisp and sugary.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

DIXIE QUEEN. 85 days. Shipped as Cuban Queen. Large, nearly round, with small white seed; often weighs as much as 60 lbs. Skin is striped dark green and greenish ivory; flesh is bright red, solid and of fine flavor. Rind thin, but strong. Uniform in shape, size and color. Although a large melon, the quality is of the best. Equally as good for the home garden, market or shipping.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.00.

Increase your yield with

ABEL'S NORTHERN GROWN SEED POTATOES

ABEL'S CHIPPEWA

ABEL'S KATAHDIN

ABEL'S BLISS TRIUMPH

ABEL'S RUSSET

ABEL'S SEBAGO

ABEL'S IRISH COBBLERS

ABEL'S IMP. GREEN MOUNTAIN

Write for prices

Vegetable Chart and Planter's Guide

For Southeastern Pennsylvania and Equivalent Climate

Containing a monthly calendar of operations and some useful tables, arranged to help the gardener or farmer in the sowing of seeds or setting out of plants from February to October in the latitude of southeastern Pennsylvania.

VARIETY	Seed Required	Seed Required per Acre	Planting Distance			Maturity from Planting to Picking	February	March	April
			Apart in Row	Between Rows	Depth		Sow in Hotbed	Sow in Hotbed	Sow in Hotbed
Artichoke.....	1 oz. to 500 plants...	½ lb.....	1½ to 2 ft.	4 ft.....	1 in.....	1 yr.	Broccoli	Early Beets	Cucumber
Asparagus, Seed.....	1 oz. to 800 plants...	4 lbs.....	3 to 6 ins.	1½ ft.	1 in.....	3 to 4 years	Early Cabbage	Brussels Sprouts	Eggplant
Asparagus, Roots.....	50 roots per 100 ft.	5445 roots...	2 ft.	4 ft.	12 ins.	2 years	Forcing Carrot	Early Cabbage	Melon
Beans, Bush.....	1 lb. per 100 ft.	90 lbs.	2 to 3 ins.	2 to 2½ ft.	1½ to 2 ins.	6 to 8 weeks	Early Celery	Forcing Carrot	Pepper
Beans, Bush Lima.....	1 lb. per 100 ft.	60 lb.	6 ins.	3 ft.	1½ to 2 ins.	10 to 12 weeks	Cucumber	Cauliflower	Tomato
Beans, Pole.....	½ lb. per 100 ft.	30 lbs.	6 ins.	3 to 4 ft.	1½ to 2 ins.	9 to 10 weeks	Eggplant	Celery	In Open Ground
Beans, Pole Lima.....	1 lb. per 100 ft.	30 lbs.	6 ins.	4 ft.	1½ to 2 ins.	12 to 14 weeks	Early Lettuce	Eggplant	Kohl Rabi
Beets.....	2 oz. per 100 ft.	8 to 12 lbs.	2 to 3 ins.	1½ to 2 ft.	½ to 1 in.	8 to 10 weeks	Parsley	Lettuce	Asparagus
Beets, Mangels.....	2 oz. per 100 ft.	8 to 10 lbs.	6 ins.	2½ ft.	½ to 1 in.	14 to 16 weeks	Pepper	Parsley	Beans
Broccoli, Heading.....	1 oz. to 2000 plants...	4 oz.	1½ to 2 ft.	2 to 3 ft.	½ in.	9 to 21 weeks	Radish	Pepper	Beets
Brussels Sprouts.....	1 oz. to 3000 plants...	4 oz.	1½ ft.	2 to 3 ft.	½ in.	13 to 14 weeks	Tomato	Radish	Brussels Sprouts
Cabbage, Early.....	1 oz. to 2000 plants...	4 oz.	1½ ft.	2 to 3 ft.	½ in.	10 to 12 weeks		Tomato	Early Cabbage
Cabbage, Late.....	1 oz. to 2000 plants...	4 oz.	2 ft.	3 ft.	½ in.	14 to 16 weeks			Carrot
Carrot.....	1 oz. per 100 ft.	3 to 5 lbs.	1 to 3 ins.	1 to 2 ft.	½ in.	9 to 12 weeks		In Open Ground	Cauliflower
Cauliflower.....	1 oz. to 2000 plants...	4 oz.	1½ to 2 ft.	2½ ft.	½ in.	14 to 16 weeks			Celery
Celery.....	1 oz. to 3000 plants...	4 oz.	6 ins.	3 to 4 ft.	½ in.	16 to 19 weeks		Beets	Cress
Chicory.....	1 oz. per 100 ft.	5 lbs.	3 ins.	2 ft.	½ in.	15 to 17 weeks		Carrot	Kohl Rabi
Collards.....	1 oz. to 2000 plants...	4 oz.	1½ to 2 ft.	2½ ft.	½ in.	12 to 14 weeks		Leek	Lettuce
Corn, Sweet.....	½ lb. per 100 ft.	12 lbs.	6 ins.	3 to 4 ft.	1 in.	10 to 13 weeks		Onion	Onion
Corn Salad.....	4 oz. per 100 ft.	10 lbs.	3 ins.	1 to 1½ ft.	½ in.	6 to 7 weeks		Peas	Parsley
Cress.....	1 oz. per 100 ft.	10 lbs.	2 to 4 ins.	1½ ft.	½ in.	5 to 6 weeks		Potatoes	Parsnip
Cucumber.....	1 oz. to 50 hills.	2 lbs.	4 ft. hills.	4 to 5 ft.	½ in.	8 to 10 weeks		Radish	Peas
Dandelion.....	1 oz. per 100 ft.	5 lbs.	6 ins.	1 to 1½ ft.	½ in.	8 to 9 weeks		Spinach	Potatoes
Dill.....	½ oz. per 100 ft.	5 lbs.	6 ins.	2 to 2½ ft.	½ in.	10 weeks		Early Turnip	Radish
Egg Plant.....	1 oz. to 1000 plants...	4 oz.	2 ft.	2½ ft.	½ in.	16 to 18 weeks			Spinach
Endive.....	½ oz. per 100 ft.	4 lbs.	8 to 12 ins.	1½ ft.	½ in.	12 to 13 weeks			Early Turnip
Fennel.....	1 oz. per 100 ft.	4 lbs.	6 ins.	2 to 3 ft.	¾ in.	9 weeks			
Kale.....	½ oz. per 100 ft.	3 lbs.	1½ ft.	2 ft.	½ in.	8 to 9 weeks			
Kohl Rabi.....	½ oz. per 100 ft.	4 lbs.	3 to 6 ins.	1½ ft.	½ in.	8 to 9 weeks			
Leek.....	1 oz. per 100 ft.	4 lbs.	2 to 3 ins.	1½ ft.	½ in.	12 to 13 weeks			
Lettuce.....	½ oz. per 100 ft.	3 lbs.	6 to 10 ins.	1½ ft.	½ in.	7 to 10 weeks			
Melon, Musk.....	1 oz. to 50 hills.	3 lbs.	3 ft. hills.	4 to 5 ft.	¾ in.	12 to 14 weeks			
Melon, Water.....	1 oz. to 30 hills.	4 lbs.	5 ft. hills.	8 ft.	¾ in.	12 to 14 weeks			
Mustard.....	1 oz. per 100 ft.	4 lbs.	4 to 6 ins.	1 ft.	½ in.	4 to 5 weeks			
Okra.....	2 oz. per 100 ft.	8 lbs.	1½ ft.	3 ft.	1 in.	7 to 9 weeks			
Onion Seed.....	1 oz. per 100 ft.	5 lbs.	3 ins.	1½ ft.	½ in.	13 to 16 weeks			
Onion Sets.....	2 qts. per 100 ft.	10 bus.	3 ins.	1½ ft.	½ in.	5 to 6 weeks			
Parsley.....	½ oz. per 100 ft.	3 lbs.	4 to 6 ins.	1 ft.	½ in.	10 to 12 weeks			
Parsnip.....	1 oz. per 100 ft.	4 lbs.	4 ins.	1½ to 2 ft.	½ in.	13 to 14 weeks			
Peas.....	1 to 2 lbs. per 100 ft.	120 lbs.	1 to 2 ins.	2 to 3 ft.	1 to 2 ins.	8 to 10 weeks			
Pepper.....	1 oz. to 1000 plants...	3 oz.	1½ ft.	2½ ft.	½ in.	14 to 18 weeks			
Potatoes.....	7½ lbs. per 100 ft.	10 bus.	15 ins.	3 ft.	3 ins.	10 to 12 weeks			
Potatoes, Sweet.....		9680 plants.	3 ft. hills.	3 ft.		18 to 20 weeks			
Pumpkin.....	1 oz. to 25 hills.	4 lbs.	6 ft.	8 ft.	1 in.	15 to 16 weeks			
Radish, Early.....	1 oz. per 100 ft.	10 lbs.	1 in.	1 ft.	½ in.	3 to 4 weeks			
Radish, Winter.....	1 oz. per 100 ft.	8 lbs.	4 ins.	1½ ft.	½ in.	7 to 8 weeks			
Rhubarb Roots.....	30 roots per 100 ft.	4840 roots...	2 ft.	3 ft.	7 ins.	4 to 6 weeks			
Rutabaga.....	1 oz. per 100 ft.	2 lbs.	6 ins.	2 ft.	½ in.	12 to 14 weeks			
Salsify.....	2 oz. per 100 ft.	8 lbs.	4 ins.	1½ to 2 ft.	½ in.	16 to 18 weeks			
Sorrel.....	1 oz. per 100 ft.	5 lbs.	3 ins.	1 to 1½ ft.	½ in.				
Spinach.....	2 oz. per 100 ft.	20 lbs.	4 ins.	1 ft.	½ in.	6 to 7 weeks			
Spinach, New Zealand.....	1 oz. per 100 ft.	3 lbs.	8 ins.	2½ ft.	1 in.	7 to 10 weeks			
Squash, Bush.....	1 oz. to 25 hills.	4 lbs.	4 ft. hills.	4 ft.	1 in.	7 to 8 weeks			
Squash, Vine.....	1 oz. to 15 hills.	2 lbs.	6 ft. hills.	8 ft.	1 in.	12 to 14 weeks			
Swiss Chard.....	2 oz. per 100 ft.	8 to 10 lbs.	6 ins.	1½ to 2 ft.	½ to 1 in.	7 to 8 weeks			
Tomato.....	1 oz. to 3000 plants...	2 oz.	3½ ft.	4 ft.	½ in.	14 to 16 weeks			
Turnip.....	1 oz. per 100 ft.	2 lbs.	4 ins.	1½ to 2 ft.	½ in.	7 to 10 weeks			

NOTE:—Differences in maturity vary with climate, season, soil, geographic location and elevation, and variety planted

Number of plants Required to the Acre		Number of Plants Produced From An Ounce of Seed	
Distance Apart	No. of Plants	Asparagus.....	about 300
1 foot by 1 foot.....	43,560	Broccoli.....	" 2,000
1½ feet by 1½ feet.....	19,360	Cabbage.....	" 2,000
2 feet by 1 foot.....	21,780	Cauliflower.....	" 2,000
2 feet by 2 feet.....	10,890	Celery.....	" 3,000
2½ feet by 2½ feet.....	6,969	Egg Plant.....	" 1,000
3 feet by 2 feet.....	7,600	Endive.....	" 3,000
3 feet by 3 feet.....	4,840	Kale.....	" 2,000
4 feet by 4 feet.....	2,722	Leek.....	" 1,000
5 feet by 4 feet.....	2,178	Lettuce.....	" 3,000
5 feet by 5 feet.....	1,742	Pepper.....	" 2,000
6 feet by 6 feet.....	1,210	Tomato.....	" 3,000
8 feet by 8 feet.....	680	Sage.....	" 1,000
		Thyme.....	" 5,000

August	September	"It's the Crop That Counts" Plant Abel's Seeds
In Open Ground	In Open Ground	
Beans, Bush	Cabbage for cold frames	
Chervil	Cauliflower for cold frames	
Corn Salad	Chervil	
Cucumber	Corn Salad	
Endive	Cress	
Kale	Siberian Kale	
Lettuce	Lettuce	
Welsh Onion	Mustard	
Early Peas	Winter Radish	
Spinach	Spinach	
Turnip	Turnip	
Rutabaga	Sweet Peas	

SPRAYING GUIDE for FRUIT

CROP	PESTS	WHAT TO USE	Level Table-spoonfuls to 1 Gallon Water	Pounds or Gallons to 50 Gallons Water	WHEN TO SPRAY OR DUST
APPLE.....	San-Jose and Oyster-Shell Scale, European Red-Mite.....	Dry Lime-Sulfur..... Spra-Mulsion.....	9 8	12 2	When the trees are dormant.
	Bud Moth, other chewing insect and Scab.....	Dry Lime-Sulfur and Arsenate of Lead and Safe-N-Lead.....	3 2 1	3 1½ 1	1. When the blossom buds begin to show. (The pre-pink spray, when the buds are in the "Cat's-paw.") 2. The pink spray just before the flowers open.
	Codling Moth, Curculio, Bud-Moth Scab, and "Frog Eye"	Dry Lime-Sulfur and Arsenate of Lead and Safe-N-Lead.....	2 2 1	2 1½ 1	3. At the fall of the petals (Calyx Spray). 4. Ten days to two weeks later. 5. Three weeks after the Calyx Spray. 4. Four weeks after the Calyx Spray.
	Second-Brood Codling Moth....	Arsenate of Lead.....	2	1½	Approximately ten weeks after the fall of the petals.
PEAR.....	San Jose Scale, Blister Mite.... Psylla.....	Dry Lime-Sulfur..... Spra-Mulsion.....	9 8	12 2	When the trees are dormant.
	Psylla, Slug, Scab and Codling Moth.....	Dry Lime-Sulfur..... Arsenate of Lead and Nicotine Sulfate.....	3 2 1	3 1½ ½ pint	1. Just as the cluster buds are opening. 2. At the fall of the petals. 3. Two weeks later.
PEACH.....	San Jose Scale..... Peach Leaf Curl.....	Dry Lime-Sulfur..... Dry Lime-Sulfur.....	9 9	12 12	In spring before the buds begin to swell.
	Brown Rot, Scab, Curculio.....	Mulsoid-Sulfur..... Arsenate of Lead..... Hydrated Lime and Zinc Sulfate.....	3 1 5 5	3 1 5 5	1. When 75% of the shucks have fallen. 2. Two weeks later. 3. Four weeks before picking
CHERRY AND PLUM.....	Leaf-Spot, Brown Rot, Curculio and Slug.....	Pestroy.....	7	7	1. Just before blooming. 2. When the petals fall. 3. Ten days later. 4. Two weeks after the fall of petals. 5. Four weeks after the fall of petals. As soon as the fruit flies appear. In case of rain make additional applications.
GRAPE.....	Black-Rot, Mildew and Berry-Moth.....	Pestroy.....	9½	9½	1. When shoots are 8 to 10 inches long. 2. Just before blooming. 3. Just after the blossoms fall. 4. Two weeks later. 5. When the berries begin to touch in clusters.
CURRANT AND GOOSEBERRY	Mildew.....	Dry Lime-Sulfur.....	9	12	When the buds begin to open.
		Dry Lime-Sulfur.....	2½ to 3	3	Every ten days after the buds begin to open making three applications.
	Currant Worm.....	Arsenate of Lead.....	2½	1½	When the worms first appear.
BUSH-FRUITS	Rose-Scale, Cane-Blight, Leaf-Spot and Anthracnose.....	Dry Lime-Sulfur.....	9	12	In spring before growth starts.
(BLACKBERRY, LOGANBERRY, RASPBERRY)	Anthracnose.....	Dry Lime-Sulfur.....	2½	3	Just before the bloom.
STRAWBERRY..	Leaf-Spot, Flea-Beetle and Leaf Roller.....	Pestroy.....	7	7	1. Before the blossoms open. 2. As soon as the fruit has been picked.

SPRAYING GUIDE for SHADE TREES, SHRUBS, EVERGREENS and LAWNS

PLANT	PESTS	WHAT TO USE	Level Table-spoonfuls to 1 Gallon Water	Pounds or Gallons to 50 Gallons Water	WHEN TO SPRAY OR DUST
SHADE TREES..	Oyster Shell Scale and Scurfy Scale.....	Spra-Mulsion.....	8	2	When the trees are dormant.
	European Elm Scale, Tulip and Magnolia Scale, Terrapin Scale.	Spra-Mulsion.....	12	3	When the trees are dormant.
	Pine Leaf-Scale and Pine Bark Aphis.....	Spra-Mulsion.....	6	1½	When the trees are dormant.
EVERGREENS..	Red Spider.....	Nico-Mulsion.....	3	¾	In summer when the temperature is below 95 degrees F.
SHADE TREES..	Tussock Moth, Brown Tail Moth, Gypsy Moth and many other Caterpillars.....	Arsenate of Lead.....	3	2	As soon the caterpillars first appear.
LAWNS.....	Earthworms, Sod Web Worm, Grubs of June Beetle and Japanese Beetle.....	Arsenate of Lead.....	Apply as dust as it comes from the package. Use two pounds to 200 sq. feet of turf, or mix with sand or sifted soil.		Apply dry early in spring.

Grow Flowers for Beauty



AGERATUM, Midget Blue

AGERATUM (annual). Plant $\frac{1}{2}$ in. deep. Culture B. Blooms early summer to frost. **Midget Blue.** 2-3" high, azure blue. Pkt., 15c.
Blue Perfection. 9" high, deep, deep amethyst-blue. Pkt., 15c.
Blue Cap. 6" high, new dwarf variety. Rich, deep blue. Pkt., 10c.

ALYSSUM (annual). Plant $\frac{1}{4}$ in. deep. Culture B. Blooms early summer to frost. Suited to semi-shade.
Violet Queen. Deep violet, sweet scented, dwarf, compact. Pkt., 10c.
Lilac-Queen. 6" high, lavender-lilac flowers. Pkt., 15c.
Little Gem. White honey-scented flowers. Pkt., 10c.
Carpet of Snow. 3" high. White flowers $1\frac{1}{2}$ " in width. Pkt., 10c.

ALYSSUM (hardy perennial). Plant $\frac{1}{8}$ " deep. Culture F. Blooms in early spring. Suited to semi-shade.
Saxatile Compactum (Gold Dust). 12" high. Bright golden-yellow flowers and grayish-green foliage. Pkt., 15c.

ANCHUSA, Blue Bird (annual). Plant $\frac{1}{8}$ " deep. Culture B. Suited to semi-shade. 20-24" high. Sprays of indigo blue flower. Pkt., 15c.

ANTIRRHINUM (annual). Snapdragon. Plant $\frac{1}{8}$ " deep. Culture A. Germinate slowly, sow early. Suited to semi-shade.
Half-Dwarf (Large Flowered). The spikes are borne well above the foliage. Ideal for beds. Mixed. Pkt., 15c.

Super Majestic (Semi-tall). Rust resistant. Desirable for beds or cutting. Large flowered. Mixed. Pkt., 15c.

Large Flowered (Tall Giant). Heavy spikes, ideal for beds. Mixed. Pkt., 20c.

AQUILEGIA (Columbine) (hardy perennial). Culture F. Plant $\frac{1}{8}$ " deep. Plant in fairly rich soil in semi-shaded location. 18-24" high.
Mrs. Scott Elliott's Long-Spurred. Very large flowers in a large selection of pastel colors. Pkt., 10c.

ARCTOTIS (Blue-eyed African Daisy) (annual). 30" high. Culture A. Plant $\frac{1}{8}$ " deep. Blooms to frost. Prefers sun.
Gradis. Snow white blooms, bluish center with gold band. Pkt., 15c.

ASTER (Annual). Culture A. Plant $\frac{1}{8}$ " deep in rich soil and sunny location.

Queen of the Market (Wilt-resistant). First to bloom. Large blooms, fully double. Fluffy or feathered type of flower with straight stems. 18" high.

Pkt., 10c.

Giant Crego (Wilt-resistant). Large flowers 4 to 5" with long ribbon like gracefully curled and twisted petals. Fine for cutting. 24" high.

Pkt., 10c.

California Giant Improved. Large 5" double flowers with stems $1\frac{1}{2}$ to 2' long. 24-36" high.

Pkt., 15c.

American Branching. Fully double, nearly round. 3" across. Blooms in June. 24-36" high.

Pkt., 10c.

BACHELOR'S BUTTON (annual) (Centauria or Cornflower). Culture D. Plant $\frac{1}{4}$ " deep. 12" high.

Mixed. Cyanus double.

Pkt., 10c.

White. Glistening pure white.

Pkt., 15c.

Red Boy. Deep glowing red.

Pkt., 15c.

Pinkie. Lovely light pink.

Pkt., 15c.

Jubilee Gem. Dark double blue flowers.

Pkt., 15c.

Blue Boy. True cornflower blue.

Pkt., 15c.



BACHELOR BUTTON, Double White

BALLOON VINE (Love-in-a-Puff) (Annual). Culture C. Plant $\frac{1}{2}$ " deep. Rapid growing climber with clusters of small white flowers followed by large inflated balloon-shaped seed pods. 8-10" high.

Pkt., 15c.

BALSAM (Lady-Slipper) (annual). Suited to semi-shade. Culture B. Plant $\frac{1}{4}$ " deep. 24" high. Plants 2 to 3' tall, each branch covered with fine double flowers.

Pkt., 10c.

BLUE LACE FLOWER (Didiscus) (annual). Culture A. Plant seeds $\frac{1}{8}$ " deep. Lacelike heads composed of many delicate lavender-blue flowers. 24" high.

Pkt., 10c.

CALENDULA (Pot Marigold) (annual). Culture B. Plant $\frac{1}{4}$ " deep. Blooms mid-summer to frost. Stands drought and heat. Transplant 12 to 16" apart. 18-20" high.

Mixed. Florist Special Mixture.

Pkt., 10c.

Orange King. Rich orange, dark center.

Pkt., 10c.

CALLIOPSIS (annual) (Tickseed). Culture D. Plant $\frac{1}{8}$ " deep. Blooms all summer. Bright varied combinations. Easily grown. Fine for beds, borders and cutting.

Pkt., 10c.

CAMPANULA (Canterbury Bells) (annual). Culture A. Plant $\frac{1}{8}$ " deep. Bushy plants, bell-shaped flowers bloom 5 to 6 months after seeding. 18" high.

Single (annual). White, pink, blue and lilac.

Pkt., 10c.

Single (perennial). Ideal for borders.

Pkt., 10c.

CANDYTUFT (Iberis) (annual). Culture C. Plant $\frac{1}{4}$ " deep. Will bloom all season if not allowed to seed. Will grow in dry sandy soil. 6-12" high.

Pkt., 10c.

CARNATION (annual). Culture A. Plant $\frac{1}{8}$ " deep.

Chaubaud's Giant. Double, delightful spicy fragrance. Blooms 5 months after seeding. 15" high.

Pkt., 10c.

CASTOR BEAN (Ricinus) (annual). Culture B. Plant $\frac{1}{2}$ " deep. Magnificent tall large-leaved plants of tropical appearance. 6-15' high.

Pkt., 10c.

CELOSIA (Cockscomb) (annual). Culture A. Plant $\frac{1}{8}$ " deep. Midsummer to frost.

Childsii Type (Chinese Woolflower). Much branched plants, each tipped with a round woolly flower head of bright red. Double compact plants. 24" high.

Pkt., 10c.

CHRYSANTHEMUM (annual). Culture B. Plant $\frac{1}{8}$ " deep. Favorite flower for fall blooming. 24" high.

Single Mixed. Some of these flowers are of one color, however, most are ringed with multi-colored bands.

Pkt., 10c.

CLARKIA (annual). Culture D. Plant $\frac{1}{4}$ " deep. Dainty double flower resembling those of the flowering almond.

Pkt., 10c.

CLEOME (Spider Plant). Pink Queen (annual). Culture B. Plant $\frac{1}{4}$ " deep. Huge tresses of bright salmon-pink flowers which turn white as they age.

Pkt., 15c.

COREOPSIS (hardy perennial). Culture F. Plant $\frac{1}{4}$ " deep. 24" high. Golden yellow flowers with flute shaped petals.

Pkt., 10c.

COSMOS (annual). Culture D. Plant seeds $\frac{1}{4}$ " deep.

Sensation Mixed. Large, double flowers up to 5" across and 48" high.

Pkt., 15c.

Orange Ruffles. Golden orange flowers, early flowering.

Pkt., 15c.

Orange Flare. Well branched plants covered with showy single golden orange flowers. 24-36" high.

Pkt., 10c.

Dazzler. Deep maroon. Flowers 4 to 5" across.

Pkt., 25c.



COSMOS, Sensation

IT PAYS TO BUY THE BEST



DAHLIA, Unwin's Mixed

CYNOGLOSSUM (Chinese Forget-Me-Not) (annual). Culture B. Plant seeds $\frac{1}{8}$ " deep. Firmament. New dwarf variety with bushy plants and bright indigo blue color. Pkt., 15c.

DAHLIA (annual). Culture A. Plant seeds $\frac{1}{4}$ " deep. Usually grown from roots but can be raised from seed.
Unwin's Ideal Bedding. Early flowering semi-double flowers, dwarf bushy plants. 18-24" high. Pkt., 20c.

DELPHINIUM (hardy perennial). Suited to semi-shade. Culture F. Plant $\frac{1}{8}$ " deep. Easy culture. Massive, colorful spikes.
Wrexham Hybrids. Large single, semi-double and double blooms closely set together to form beautiful spire-like spikes. Pkt., 30c.

DIANTHUS (Pinks) (annual). Culture F. Plant $\frac{1}{8}$ " deep. Blooms all summer. 6-12" high.
Single Mixed. Well-formed single blooms with smooth petals. Pkt., 10c.
Double Mixed. Splendid blend of single and double flowers. Pkt., 10c.

ESCHSCHOLTZIA (California Poppy) (annual). Suited to semi-shade. Culture C. Plant $\frac{1}{8}$ " deep. Midsummer to frost. Dainty free-flower plants with gaily colored poppy-like flowers having a satiny finish. 24" high. Pkt., 10c.

EVERLASTING FLOWER (annual). (Globe Amaranth, Gomphrena Everlasting or Clover Strawflower). Culture B. Plant $\frac{1}{8}$ " deep. Blooms all summer. A special mixture of different flowers that can be dried. Pkt., 10c.

STRAWFLOWER (Helichrysum). Large and fully double flowers. Pkt., 10c.

FOUR O'CLOCK (annual). Suited to semi-shade. Culture B. Plant $\frac{1}{4}$ " deep. Thrives under any conditions.
Marvel of Peru. Flowers open in the afternoon if day is sunny or all day if it is cloudy. Red, yellow, rose, white, lilac. 24" high. Pkt., 10c.

FOXGLOVE (Digitalis) (biennial). Culture F. Plant seeds $1/16$ " deep. Suited to semi-shade. Splendid for beds and borders. Bell-shaped blossoms. 3-7" high. Pkt., 10c.

GALLARDIA (annual) (Blanket Flower). Culture B. Plant $\frac{1}{8}$ " deep. 18" high.
Single Mixed. Pkt., 10c.
Double Mixed. Pkt., 10c.

GAILLARDIA (hardy perennial). Culture F. Plant $\frac{1}{8}$ " deep. Will stand drought and hot weather. Blooms in orange, yellow, red, and maroon. 24" high.
Perennial Monarch Mixed. Large range of colors. Pkt., 10c.

GEUM (hardy perennial). Culture F. Plant $\frac{1}{8}$ " deep. Tiny double blooms. Splendid for cutting. 24" high. Pkt., 15c.

GODETIA (Satin Flowers) (annual). Suited to semi-shade. Culture B. Plant $\frac{1}{8}$ " deep. Bushy plants. 12" high.
Double Mixed. Large single pom-pom blossoms. Pkt., 10c.

GOURDS, ORNAMENTAL (annual). Culture B. Plant seeds $\frac{1}{2}$ " deep. Singularly shaped, large foliage. Pkt., 10c.

GYSOPHILIA (hardy perennial). Culture F. Plant $\frac{1}{8}$ " deep.
Paniculata. Tiny white flowers on slender stems, produce freely, to produce a mist like effect. Pkt., 10c.

HELIANTHUS, Sun Gold (Sunflower) (annual). Culture B. Plant $\frac{1}{4}$ " deep. Thrive in almost any soil exposed to the sun and will bloom profusely until frost. 4-5" high. Pkt., 15c.

HEUCHERA (Coral Bells) (hardy perennial). Coral red bell-shaped blooms. Fine for borders and rock gardens. Pkt., 15c.

HOLLYHOCK (hardy perennial). Culture F. Plant $\frac{1}{4}$ " deep. Succeed best in deep, rich, well-drained soil. Plants like a warm sunny location. 60-96" high.
Double Mixed. Pkt., 10c.

KOCHIA (Burning Bush or Fire Bush) (annual). Culture B. Plant $\frac{1}{8}$ " deep. Green Pyramidal bush. Fine for summer hedges. Moss-like foliage that turns bright red in fall. 36" high. Pkt., 10c.

LARKSPUR (annual). Culture D. Plant $\frac{1}{8}$ " deep. Free flowering, produces large double blooms on long, attractive spikes. Deep green finely divided foliage. 24-48".
Ruby. Genuine Ruby red. Pkt., 15c.

Pink Perfection. 2" florets. Pkt., 15c.
Giant Imperial Mixed. Special mixture. Pkt., 10c.
White King, Giant Imperial. Pure white flowers. Pkt., 15c.
Blue Spire, Giant Imperial. Oxford blue. Pkt., 15c.

LINUM (hardy perennial). Culture F. Plant $\frac{1}{8}$ " deep. Succeeds in ordinary soil and an open sunny location. 15" high.
Perennial Blue. Light blue flowers in great profusion. Pkt., 10c.

LOBELIA, Crystal Palace (annual). Culture E. Plant $1/16$ " deep. Deep rich blue flowers, dark foliage. Small, compact plants fine for rock gardens. 48" high. Pkt., 15c.

LUPINES (annual). Suited to semi-shade. Plant seeds $\frac{1}{2}$ " deep. Long spikes of blue, rose and white flowers. Fine for borders. Pkt., 10c.

LUPINS (hardy perennials). Russell's Choice Mixed. Well-rounded, thickly set spikes of many lovely colors. Fine for borders. Pkt., 10c.

MARIGOLDS (annual). Culture B. Plant $\frac{1}{8}$ " deep. Small, ball-shaped blooms are freely borne on dwarf compact plants. Ideal for borders, bedding, and pot culture.
Burpee's Gold. Carnation-like flowers, sweet scented and are of a bright orange color with odorless foliage. 30" high. Pkt., 25c.

Butterball, Dwarf French Double. Compact bushy plants. Small canary-yellow flowers with crested centers. $1\frac{1}{2}$ " blooms 6-10" high. Pkt., 15c.

Crown of Gold. Odorless, sweetly fragrant flowers of bright orange gold. Odorless foliage. 30-36" high. Pkt., 10c.

Flash. Flowers are single $1\frac{3}{4}$ " across in a combination of colors, ranging from yellow to red. Pkt., 25c.

Guinea Gold. Brilliant orange carnation-like flowers. 24-30" high. Pkt., 10c.

Harmony Type, French Dwarf Double Hybrids. Centers of golden orange petals in contrast to reddish brown outer petals. 12-14" high. Pkt., 10c.

Mammoth Mum. A fluffy, ball-like light yellow bloom. About 4" in width. Pkt., 25c.

Naughty Marietta. Single golden-yellow flowers with maroon blotches. Pkt., 25c.

Harmony Type, French Single, Ferdinand. Brown rays and golden tufts. Pkt., 15c.

Spry. Flowers are double with bright yellow pin-cushion center crests surrounded by several rows of mahogany-red guard petals. 9" high. Pkt., 15c.

Sunkist. Dwarf mound-shaped plants with deep orange flowers. 10" high. Pkt., 15c.

Yellow Supreme. Lemon-yellow blooms with frilled petals. Pkt., 10c.

Yellowstone, Mission Giant. Clear golden yellow flowers. Pkt., 15c.

MIGNONETTE, Sweet Scented (annual). Culture A. Plant $1/16$ " deep. Charming fragrance, blooms all summer. 15" high. Pkt., 10c.

MOONFLOWER (annual). Culture G. Plant seeds $\frac{1}{4}$ " deep. Rapid growing climbers with white flowers that open in the evening. Pkt., 10c.



MARIGOLD, Flash

PETUNIAS—for Massing and Borders

MORNING GLORY (annual) (Impomea). Culture C. Plant $\frac{1}{4}$ " deep. Large bright blue flowers with white and yellow throats. Quick growing.
Scarlett O'Hara. Bright rosy red. Pkt., 15c.
Pearly Gates. Clear shining white. Pkt., 15c.
Tall Mixed. Good sized flowers in full range of colors. Pkt., 10c.

NASTURTIUM (annual). Culture C. Plant $\frac{1}{2}$ " deep. Exquisite, sweet-scented double and semi-double flowers.
Double Glorious Gleam Hybrids. Exquisite, sweet-scented double and semi-double flowers. Pkt., 10c.
Golden Gleam. Rich golden yellow, sweet scented. Pkg., 10c.
Golden Globe (dwarf double). Pure golden yellow. Pkt., 10c.
Scarlet Gleam. Fiery vivid orange. Pkt., 10c.
Single Tall or Climbing. Splendid for trellis. Pkt., 10c.

NEMOPHILA (Baby Blue Eyes) (annual). Culture B. Sky blue flowers with white centers. 6" high. Pkt., 10c.

NICOTIANA (annual). Suited to semi-shade. Culture A. Plant $\frac{1}{16}$ " deep.
Affinis. Brilliant colors, including many fine shades of rose, red, crimson and clear white. 30-36" high. Pkt., 10c.

PANSY (annual). Suited to semi-shade. Culture F. Plant $\frac{3}{4}$ " deep.
Swiss Giants. Long stems. Excellent for cutting. 6" high. Pkt., 25c.

PETUNIA (annual). Culture A. Plant $\frac{1}{16}$ " deep. Blooms fall and summer.
All Double, America. Rose pink flowers of medium size. All double, dwarf plants. Pkt., 50c.
Burgundy. Deep burgundy red with white tipped throat. Pkt., 25c.
Cheerful. Clear salmon-pink with tipped rose veining at the throat. Pkt., 25c.
Flaming Velvet. Deep velvety mahogany red. Pkt., 25c.
Fluffy Ruffles. Giant fringed and ruffled in a wide range of colors. Pkt., 10c.

Giants of California. Mixed. Large fringed and ruffled flowers in both light and dark shades. Pkt., 10c.

Glow. Dazzling carmine red. Pkt., 25c.

Rose of Heaven. Exquisite shade of rose, light throat. Pkt., 10c.

Rose Marie. Fully double. Delightful shade of rose pink. Pkt., \$1.50.

Rosy Morn. Clear rose-pink with white throat. Pkt., 10c.

Single Fringed. Mixed. Mixture of rich bright colors. Pkt., 10c.

Single, Plain Edged, White. Dwarf white flowers. Pkt., 10c.



PETUNIA, Rose of Heaven

Theodosia. Light rose pink with yellow throat. Pkt., 25c.

PHLOX (annual). Suited to semi-shade. Culture B. Plant $\frac{1}{8}$ " deep.

Art Shades. Wonderful range of soft pastel colors. Pkt., 25c.

Rosy Morn. Charming rose-pink with large white eyes. Pkt., 25c.

Salmon Glory. Salmon-pink with creamy white eyes. Pkt., 25c.

POPPY (annual). Plant $\frac{1}{2}$ " deep. Easily grown in ordinary soil exposed to the sun.
Iceland Mixed (hardy perennial). Culture G. Large blooms and very long stems. 30-36" high. Pkt., 15c.

Shirley Mixed. Large single flowers with papery silk-like petals with ruffled edges. Pkt., 10c.

PORTULACA (Moss Rose) (annual). Culture C. Plant $\frac{1}{8}$ " deep. Thrives best in sunny locations and light soil. Fine for edgings. 6" high.

Double Mixed. Charming mixture of pink, salmon, white and yellow. Flowers resemble small roses. Pkt., 15c.

Single Mixed. Complete mixture of orange, red, white buff and other shades. Pkt., 15c.

RUDBECKIA (Coneflower) (annual). Well formed daisy-like blooms. Grow rapidly during summer and fall. Pkt., 15c.

SALPIGLOSSIS (Painted Tongue) (annual). Culture B. Plant $\frac{1}{16}$ " deep. Large showy trumpet-shaped flowers of velvet texture. 30" high. Pkt., 15c.

SALVIA (Flowering Sage) (hardy perennial).

Splendens. Loose sprays of large scarlet blooms. 36" high. Pkt., 15c.

SCABIOSA (Mourning Bride) (annual). Culture B. Plant $\frac{1}{8}$ " deep. Bloom early summer to frost. 30" high.

Mixed. Giant Flowered Hybrids. Pkt., 10c.

Rosette. Deep rose and suffused salmon. Pkt., 15c.

Blue Moon, Imperial Giants. Double soft azure blue flowers. Pkt., 15c.

CULTURAL DIRECTIONS FOR ALL FLOWERS LISTED

CULTURE A

Best results from these seeds are obtained by sowing in flats in early spring; however, good results may also be obtained by sowing outdoors when there is no more danger of frost. Seeds should be sown at the depth indicated under the flower description. Keep in a warm room and water frequently so that soil does not become dry. When the seedlings appear place the flats in the sun. When they become large enough to handle transplant to other flats, planting them 2 to 2½ inches apart both ways. Exposure to outside conditions should be gradual and after they have made sufficient progress they may be planted outdoors permanently. Follow the same sowing instructions listed under Culture B.

CULTURE B

These seeds may be sown either in seed-beds outside and transplanted later or may be sown directly in their permanent place. Well-rotted manure, peat moss or humus together with a commercial fertilizer should be mixed well into the soil. Spade the seed-bed rather deep. An additional half inch of peat moss or humus should be spread on the seed bed and raked well into the top surface. Sow seeds as indicated and water thoroughly. When sufficiently grown transplant or thin out. Follow instructions listed in Culture A if rather early flowering is desired.

CULTURE C

These seeds do not take to transplanting and should therefore be sown outdoors in their permanent location as soon as danger of frost is past. Seed-beds should be prepared the same as those in Culture B. Sow seeds thinly at the depth indicated and water thoroughly and thin out after the seedlings appear.

CULTURE D

These seeds are very hardy and may, therefore, be sown in early spring as frosts do not affect them. Fertilizer should be mixed thoroughly with the soil and seed-bed should be spaded deeply. Plant at depth indicated and water thoroughly. If very early plants are desired sow in fall and allow plants to winter in beds.

CULTURE E

If plants are desired for the garden sow in beds in early spring. If they are desired for indoors sow during the summer. Sow seeds at depth indicated and water thoroughly. Keep in warm room and after seedlings appear place in a sunny location. After they have grown large enough to handle transplant to other flats in rows 2 inches apart. When danger of frost is past transplant outdoors. If plants are desired for indoors place in larger pots.

CULTURE F

These seeds can be sown in early summer in flats at the depth indicated. They should be watered thoroughly and kept in a warm room. When seedlings appear place in a

sunny location and when large enough to handle transplant to other flats placing them 2 to 2½ inches either way. When they become larger transplant a second time. If they are well developed by fall they may be planted in their permanent location or if so desired they may be left in the seed-beds for transplanting in the early spring.

Note: Not all the varieties under this culture will blossom the first year. After all danger of frost is past the seeds may be sown in the open in a seed-bed in which the top soil has been thoroughly mixed with peat moss or humus. See that the seed-bed is several inches higher than the rest of the garden so that the seeds will not be washed out. When sufficiently grown plant them in their permanent location.

CULTURE G

Sow into small pots indoors in early spring. Fill the pots to within a half inch of the edge of the pot with good soil, composed of two parts of soil and one part humus. Tamp the soil well and place one or two seeds at the depth indicated. Fill an ordinary seed flat with moist peat moss placing the pots into same to within a half inch of the edge, keeping pots watered thoroughly. Keep in a warm room and when seedlings appear move to a sunny location exposing them gradually to the outside. When danger of frost is past remove from pots being careful not to destroy the root-ball and plant outdoors. Seeds may be sown outdoors as soon as warm weather sets in. If advanced blooming is not desired.

You Will Enjoy the New Varieties

SCHIZANTHUS (Butterfly-flower or Poor-Man's Orchid) (annual). Culture B. Plant $\frac{1}{2}$ " deep. Hundreds of butterfly-like blooms. 24" high. Pkt., 20c.

SHASTA DAISY, Alaska (hardy perennial). Culture F. Plant $\frac{1}{2}$ " deep. Large, white single flowers 4-5" across with small yellow centers. 24" high. Pkt., 10c.

SNOW-ON-THE-MOUNTAIN (Euphorbia) (annual). Culture D. Plant $\frac{1}{2}$ " deep. Leaves are broadly veined and margined with white. 24" high. Pkt., 10c.

STATICE (Sea Lavender) (annual). Culture A. Plant $\frac{1}{2}$ " deep. Masses of dainty flowers in large panicles. Flowers last for months when dried. 18" high. Pkt., 15c.

STOCKS (annual). Culture A. Plant $\frac{1}{2}$ " deep. Bloom all summer. 24" high. **Ten Week Stocks**. Double, bloom in about 10 weeks. Pkt., 10c.

SWEET PEAS (annual). Sow very early. Dig a trench 1' wide and deep. Place 6" rotted manure or peat moss mixed with manure, on bottom, tread down firmly. Fill with good garden soil. Sow a row of Sweet Peas $\frac{3}{4}$ " apart. When plants are 3 to 4" high thin to 6" apart and provide supports. When warm weather sets in apply plenty of water and mulch of peat moss.

Summer Flowering Spencer. Individual colors or mixed. Extremely hardy and productive. Pkt., 10c.

TITHONIA, Fireball (annual). Culture B. Plant $\frac{1}{2}$ " deep. Bright orange, scarlet single dahlia-like flowers. 72-96". Pkt., 15c.

TRITOMA (Red Hot Poker) (hardy perennial). Flowers from pale yellow to orange red. 36" high. Pkt., 25c.



ZINNIA, Lilliput Pastel Mixture

VERBENA (annual). Culture B. Plant seeds $\frac{1}{2}$ " deep. Dwarf plants with large heads. 15" high. **Mammoth White**. Snow white blooms. Pkt., 15c.

WILD FLOWER MIXTURE. Splendid mixture of old-fashioned garden flowers in various colors and varieties. Excellent for border planting. Pkt., 10c.

ZINNIA (annual). Culture C. Plant $\frac{1}{2}$ " deep.

Black Ruby. Flowers of deep velvety maroon. 18" high. Pkt., 10c.

Crown of Gold. Giant flowers with deep golden petals. 24" high. Pkt., 15c.

Dahlia Flowered. 6" blooms in yellow, red, pink, and orange. 30-36" high. Pkt., 10c.

Fantasy. Composed of a mass of twisted, tubular petals which give them the appearance of a miniature Cactus Dahlia. Pkt., 10c.

Giants of California. Immense double flowers 5 to 6" across. 36" high. Pkt., 10c.

Lilliput. The small pompon in red, yellow, pink, white, and orange. Pkt., 10c.

Lilliput Pastel Mixture. Pompons 1 to 1 $\frac{1}{2}$ ". Variegated colors. 12-18" high. Pkt., 10c.

Mexicana. Charming double and semi-double blooms in a wide range of colors. 12" high. Pkt., 10c.

Navajo Mixed. Medium sized flowers in various colors. 30-36" high. Pkt., 15c.

MISCELLANEOUS GARDEN ITEMS

National Eezy Wear Garden Gloves

All-Leather—DIRT-PROOF
SOFT AS KID—Extra Pliable



Ideal gloves for men and women, made from select imported leather processed to render it amazingly soft and pliable, as well as durable. Permit almost barehand freedom with perfect comfort, yet insure complete protection from dirt, scratches, bruises, stains. Economical—outwear 6 pairs of fabric gloves and are useful the year round for Garden, Housework, Painting, Yard, Furnace, Garage, etc.

WASHABLE†

Sizes for women: "Small," "Medium," "Large" — for men: "Medium," and "Large."

Price, per pair:

Size 7 and 8.....\$1.10
Size 9 and 10.....1.25

B-B PATENTED CELERY BLEACHERS

Made of a special process materials scientifically treated to withstand moisture. With these Bleachers no banking of soil or putting up boards is necessary. Easy and quick results—prevents rot—produces cleaner, more uniform product under all weather conditions.



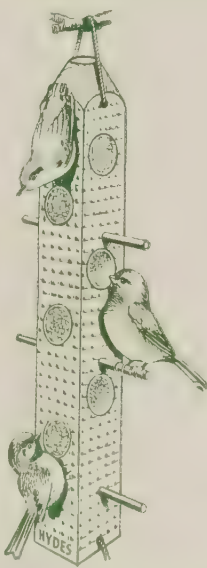
No.	Size	Doz.	100	1000
B2	6 1/2 x 13 in.	\$.60	\$4.00	\$36.00

ABEL'S COUNTRY LIFE WILD BIRD FOOD AND FEEDERS

ABEL'S WILD BIRD FOOD. Lb., 15c; 5 lbs., 70c; 50 lbs., \$6.00; 100 lbs., \$11.50. **FAMOUS BISHOP WILD BIRD CAKES**. 40c each.

BISHOP SUET AND SEED FEEDERS

No. 104. Seed Feeder. Made of rustic, prevents waste and gives a complete supply of food. Roof is hinged for filling hopper. Height, 11", \$2.75.



No. 101. Suet Feeder made of pine. A bark covered roof protects food from weather. Height, 10", \$1.25.

No. 116. Seed Feeder made of cypress or pine and roofing material. Hinged roof facilitates filling. Size, 8 1/2", \$1.00.

No. 117. Six Way Feeder. If you wish to prevent a monopoly we recommend this seed hopper. Frequently one bird will dominate a feeder and will not permit others to eat. Feeder has six compartments. White pine and green roofing. Removable roof height 11". \$2.90. Complete stock of bird houses priced from \$1.00 each to 28 room house at \$34.50 each.

CHICKADEE DINER

A very exclusive diner for the friendly chickadees and other birds! Hangs anywhere outdoors. Comes crammed full of 12 delicious assorted Tidbits. Attracts the small clinging birds as flowers attract bees. 16 inches long. Stained weather-resisting, pleasing brown. A big value for any bird lover, with 24 extra tidbits, \$2.50.



FOR NURSERIES, ESTATES AND AMATEUR GARDENERS

"Twist-ems" are dark green strong tapes with wire reinforcing that makes perfect plant ties. Place "Twist-ems" around stem and support. Twist ends between thumb and finger. In a "flash" the stem is securely tied. 8", 35c per 125.

STANDARD PLANT TUBS

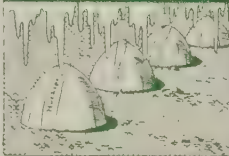


A splendid plant tub which will give excellent service for a remarkably long time. Well constructed, sturdy, and of first quality. The staves are supported by strong hoops, and steel strapping at the base gives added support. They are painted an attractive green color which harmonizes well with all kinds of plant material.

No.	Inside Top Diam.	Inside Bot. Diam.	Inside Depth	Each
No. 2	7 in.	5 in.	7 in.	@ \$1.13
No. 3	8 in.	6 in.	8 in.	@ 1.22
No. 4	9 in.	7 in.	9 in.	@ 1.38
No. 5	10 in.	7 1/2 in.	9 in.	@ 1.53
No. 7	12 in.	9 in.	11 in.	@ 2.30
No. 9	14 in.	11 in.	13 in.	@ 2.58
No. 11	16 in.	12 1/2 in.	15 in.	@ 4.15
No. 13	18 in.	14 in.	17 in.	@ 5.83

MISCELLANEOUS GARDEN ITEMS—(Cont.)

FROST can't hurt



RAIN can't harm



INSECTS can't touch



HOTKAPS protect plants against birds, insects, rain, frost, hail or wind. They force growth and bring maturity 2 to 3 weeks sooner. Yield is increased 10 to 25 per cent. Each HOTKAP is a miniature hothouse for the plant underneath.

1,000 to Carton @	\$13.50 per M
5,000 @	13.35 per M
10,000 @	13.20 per M
25,000 @	13.05 per M
25 Package Complete	.70 each
100 Package Complete	2.75 each
250 Package Complete	4.65 each
Steel Setter	1.95 each
Fibreboard Setter Alone	.20 each



EROSIONET

An inexpensive but strong, open-mesh fabric which is used in making new lawns where it is desirable to provide for the protection of young grass, or on steep banks where it will hold the soil and prevent washing and loss of turf by heavy rainfall. Also used for supporting Sweet Pea vines and shading cold-frames or perennial seed beds. 45 inches wide.

18c per linear yd.; 100-yd. strips or more, 15c per linear yd.; 17c per 25 yds.; 16c per 50 yds.

DUPOR RESPIRATOR

For protection from harmful dust and light fumes (not effective against poisonous gas). Should be worn when working with insecticidal dusts, arsenicals, and dry fertilizers. Covers nose and mouth.

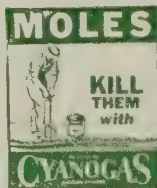
Price, \$3.00.

PEST EXTERMINATORS

ANTROL. The national ant control. Kills ants in their nests. Antrol is easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The whole ant family is quickly killed at the source—the only way to get permanent relief. Controls both sweet and grease-eating ants. Ready Filled Sets containing four filled feeders, 39c; Antrol Extra Containers, 10c; Antrol Syrup, 4-oz. bottle, 20c.

CYANOGLAS ANT KILLER. Is not a bait! It is different. A small amount injected into the ant nest destroys the entire colony immediately. Spectacularly effective. This 4-oz. tin contains enough Cyanoglas to kill a million ants. 4-oz. tin Cyanoglas Ant Killer, 30c each.

CYANOGLAS A-DUST. For killing the following pests. Rats (in burrows; along ditch banks; in city dumps; under pavements and tight floors; in lumber piles; on poultry farms; in grain elevators and stockyards). Mice (field mice and pine mice). Moles, Woodchucks (Groundhogs). Diseased bees, Wasps, Yellow Jackets and Hornets. Soil insects in lawns and golf greens. 1 lb., 75c; 5 lbs., \$3.00.



MAGIKIL JELLY. New and very effective ant-control; also used to eliminate roaches, rats, and mice. 1-oz. tube, 40c.

MOUSE SEED. Safer and more convenient than paste or traps. Ready to use. No bait required. Pkg., 25c.

RAT-NOTS. Safe way to exterminate rats. Prepared bait, containing Squill. Can be used without fear of harming humans, dogs, livestock, etc. Trial size package of 9 Nots, 25c; estate size, 50 Nots, \$1.00.

MOLE NOTS. Life savers for lawns, bulb and seed beds. Trial size, 8 Nots, 35c; estate size, 50 Nots, \$1.00.

ANTU RAT BAIT. Contains 5% Antu. Is mixed ready to apply on bait. 4 oz. can, \$1.00.

DOG SKAT. Keeps dogs, cats and other animals away from trees, evergreens, roses, shrubbery, etc. Tube releases vapor offensive to animals, but not noticeable to humans. One large tube lasts a year. Large tube, 25c.

CHAPERONE POWDER DOG REPELLENT

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs.

1-oz. tin, 50c; large size, \$1.00.

CHAPERONE LIQUID DOG REPELLENT

For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents.

4-oz. bottle, 60c; 12-oz. can, \$1.00.

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 60c.

PESTEX. To discourage rats, mice, birds, squirrels, rabbits, dogs, etc., from the garden. Safe and effective. Can be applied with the ordinary dust gun. 2 lbs., 75c.

PUSSY CAT. Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. Trial size can, 50c; large size can, \$1.00.

STAKES

3½ ft. Bamboo Stakes (lead pencil thickness). Painted green. Each, 2½c; doz., 25c; 50, 90c; 100, \$1.75; 250, \$4.00; 500, \$7.50; 1000, \$14.75.

4 ft. Bamboo Stakes (lead pencil thickness). Painted green. Each, 3c; doz., 30c; 50, \$1.25; 100, \$2.25; 250, \$5.00; 500, \$9.50; 1000, \$18.00.

	Each	Doz.
Chinese Heavy Tonkin Canes 5'	\$.20	\$2.00
6'	.25	2.50
7'	.30	3.00
10'	.35	3.50

Dahlia stakes, round and pointed. Painted green. 7 ft., each, 35c; doz., \$3.60.

Hyacinth Stakes—wood.

	Doz.	100	1000
12 in.	\$.10	\$.40	\$3.50
15 in. ....	.10	.50	3.75
18 in. ....	.10	.65	4.00

DOWELS Ea.	Doz.	25	50	100
3 ft.	\$.04	\$.45	\$.89	\$1.65
4 ft. ....	.08	.90	1.80	3.25
				6.00

PLANT LABELS. Wood, pointed, for pot and garden plants.

Size	100	1000
4 x 5/8 inches	\$.35	\$2.70
4½ x 5/8 inches .....	.35	2.40
5 x 5/8 inches .....	.45	3.00
6 x 5/8 inches .....	.55	3.50
8 x 7/8 inches	1.00	7.00
10 x 1½ inches .....	.75	
10 x 7/8 inches	1.50	6.00

Wood, wired. 3½ x 5/8 inches, for trees, shrubs, Dahlias and similar plants, 40c per 100; \$2.75 per 1000.

CUPRINOL

Stops Rot in Wood—Mildew in Fabrics
Apply by Brush, Spray or Dip

GREEN FOR WOOD—

Allow 1 gallon per 400 sq. ft., brush applied. Can be painted over. \$1.25 per qt.; \$3.45 per gal.; 5 gal. pail, \$3.35 per gal.; 50 gal. drum, \$3.10 per gal.

CLEAR FOR WOOD—

Colorless, for use under varnish or where no color is desired. \$1.35 per qt.; \$3.75 per gal.; 5 gal. pail, \$3.65 per gal.; 50 gal. drum, \$3.40 per gal.

CUPRINOL FOR FLORISTS—

For dipping only. 5 gal. pail, \$2.35 per gal.; 50 gal. drum, \$2.20 per gal.

CUPRINOL FOR FABRICS—

Waterproof—for mildewproofing and waterproofing tarpaulins, awnings and other canvas in one treatment. \$1.15 per qt.; \$3.25 per gal.; 5 gal. pail, \$3.15 per gal.; 50 gal. drum, \$2.90 per gal.

ABEL'S FERTILIZERS—SOIL CONDITIONERS

ACTIVO (Formerly Bacto). Make your own fertilizer easy, quick—often in as little as three weeks. Odorless! Organic! Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets, reduces odors, makes easily handled ash of waste. No. 2 size, \$1.00, treats 100 lbs. compost; No. 7 size, \$2.00, treats up to 1800 lbs.

AGRICO — FOR LAWNS, TREES AND SHRUBS. 3 lbs. per 100 sq. ft. Agrico is a balanced plant food and supplies, in proper forms for continuous feeding throughout the growing season, all the plant-food elements required.

Plant grass seed after thoroughly mixing the Agrico with the soil. Use the best seed mixture you can get; that is, one adapted to your location and soil. Cheap seed mixtures are a common cause of failure. Sow 4 to 5 lbs. per 1000 sq. ft. half length-wise and half cross-wise. Rake in the seed not more than 1/8 to 3/16 inch deep and roll lightly.

USE AGRICO FOR LAWNS, TREES AND SHRUBS and realize the satisfaction that comes from having a thick velvety lawn—the kind that means so much to the beauty of any home.

5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

ASHES, HARD WOOD—Apply 1000 lbs. per acre. Indispensable for all crops requiring potash; excellent for mixing with potting soil. For top dressing lawns and grass fields it is applied to best advantage either in very early spring or late fall.

5 lbs., 25c; 10 lbs., 45c; 25 lbs., 85c; 50 lbs., \$1.50; 100 lbs., \$2.50; 200 lbs., \$4.00; 1000 lbs., \$18.00; per ton, \$35.00.

BLOOD (DRIED)—For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers.

1 lb., 35c; 5 lbs., \$1.00; 25 lbs., \$4.00; 50 lbs., \$6.00; 100 lbs., \$10.50.

BONE MEAL—RAW — Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high class fertilizer counts. Apply 800 to 1000 lbs. per acre.

5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00.



BOVUNG—A rich manure from cows—the ideal fertilizer for New Lawns and for restoring the worn-out grass plot to its original vigor. Through a special process practically all moisture is removed from Bovung soon after it has been taken from the barns. Bovung is absolutely free of all live weed seeds, it can not bring plant diseases to your garden, and while a little goes far, no harm will occur through fertilizing your lawn or garden freely. Bovung broadcasts as readily as grass seed and we suggest three applications upon your lawn throughout the year, in the early spring, again in midsummer, and finally early in the autumn. Bovung, too, is an excellent fertilizer for the flower and vegetable garden, being of an organic nature it brings to the soil just those materials in which the average garden soil is lacking.

5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.25; 50 lbs., \$2.15; 100 lbs., \$3.95.

COTTONSEED MEAL—Apply 800 pounds per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable.

5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.50; 50 lbs., \$4.50; 100 lbs., \$8.00.

MANURE! MORE MANURE!

You must have manure, and thanks to **ADCO** you can have quantities of it. You can turn every bit of vegetable refuse—cuttings, weeds, leaves, etc., from the garden, straw and cornstalks from the farm, into rich manure by the simple **ADCO** process. Information free.



½ lb. bag sufficient to make one-half ton manure, \$2.50; 100 lbs., \$9.50; 150 lb. bag sufficient to make 3 tons of manure, \$12.00.

DRICONURE. Ideal for flowers, lawns, vegetables and shrubs. Absolutely safe. Will not burn. Contains dehydrated cow and poultry manure and peat moss. Clean and free from weed seed, insect life and fungus. Practically odorless and always ready for use. All organic. A 2-bushel (50 lb.) bag will top dress approximately 1,000 sq. ft. of lawn.

50-lb. bag, \$2.15; 100 lbs., \$3.95; 500 lbs., \$18.50; 1000 lbs., \$38.00; ton, \$65.00.

DUTCH MAID (Pulverized Form) — For lawns, flowers, shrubs and vegetables. The use of **DUTCH MAID** will make lawns richer, give earlier flowers, make thrifty shrubs and larger yields of vegetables. **DUTCH MAID** is a specially prepared plant food that contains the essential ingredients—nitrogen, phosphoric acid and potash in the form that will give rapid growth and full development of the above plant life. Guaranteed analysis. Nitrogen 4 per cent, Avail. Phos. Acid 6 per cent, Potash 6 per cent.

5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$17.50; 1000 lbs., \$32.50; ton, \$60.00.

ELECTRA. A perfectly balanced fertilizer which is more than 80 per cent organic. It is becoming more popular with the growers because it can be used for almost any purpose.

Lb., 35c; 5 lbs., \$1.00; 25 lbs., \$4.00; 50 lbs., \$6.00; 100 lbs., \$10.50.

ES-MIN-EL. Essential Mineral Elements. Carefully balanced and soluble. Can be used with any grade of fertilizer. 50 lbs. will mineralize one acre, one cupful, a garden plot 10 feet square.

5 lbs., \$1.25.
FLORALIFE is a nourishing, sterilizing mixture which retards wilting. Supplies nourishment to blossoms; expands their size! Pkt., 10c; 30-qt. size can (1.3 lbs. net), \$1.00; 250-qt. size drum (10 lbs. net), \$4.00; 500-qt. size, \$7.50.

FULTON'S PLANTABBS are the finest of plant-foods, recommended particularly for potted plants as well as the flower and vegetable garden. Clean, convenient tablets without odor; balanced and complete, they contain all the food elements any plant requires.

12 tablets, 10c; 36 tablets, 25c; 90 tablets, 50c; 240 tablets, \$1.00; 2 lbs., \$2.75.

HERSHEY'S Ko-K-O. Organic Soil Conditioner and Builder. No acid. No water. No odor. No weed seed. Cocoa bean shells and other parts of the cocoa bean are expertly blended and sweetened to produce a natural, organic material furnishing a steady source of humus for the soil.

50 lb. bag, \$2.50.

HORN SHAVINGS—Used principally for mixing in potted soil; rich in ammonia, especially valuable for chrysanthemum growing.

50 lb., \$3.75 bag.

HYGRO SOLUBLE PLANT-FOOD. Dissolved in water and poured on plants, Hygro produces amazing results. Keeps plants healthy and productive as an all-season fertilizer.

3 oz., 25c; 20 oz., \$1.00.

HYPER-HUMUS—An excellent article to incorporate with poor soil in the garden, green house or in potting plants. When used in garden work, the ground should be covered with one-half to two inches of Humus and spaded in.

5 lbs., 25c; 10 lbs., 45c; 25 lbs., 85c; 50 lbs., \$1.25; 100 lbs., \$2.25; 500 lbs., \$9.50; 1000 lbs., \$15.00; 2000 lbs., \$25.00.

HYTROUS. A balanced fertilizer in liquid form used at the rate of 1 to 3 tablespoons full per gallon of water.

3 oz., 25c; 8 oz., 59c.

IMP FERTILIZER is of the same analysis, approximately of the same composition and texture, and is used in the same way as the imported product most widely used in this country. Provides that all-important impetus or vital force necessary to the healthy development of flowers and plants. Is the improved domestic fertilizer that rivals if not excels the imported article. **IMP** and the leading imported fertilizer have been fully analyzed by one of the leading analytical chemists of the country. Their findings will be sent for your perusal on request. Only asks a fair and unprejudiced trial, knowing full well that it must stand on its own solid worth to merit success. Boldly challenges all fair comparison. Be your own judge as to whether its claims are substantiated.

28 lbs., \$3.50; 56 lbs., \$5.50; 112 lbs., \$10.00.

LIME (HYDRATED OR POWDERED) — This is a very fine article for distributing on grass. Promotes growth, gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre.

5 lbs., 15c; 10 lbs., 25c; 50 lbs., 75c; 100 lbs., \$1.25; 500 lbs., \$5.00; 1000 lbs., \$9.50; ton, \$18.00.

MURIATE OF POTASH—Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn and other grains. Analysis, equal to 50 per cent actual potash.

5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.50.

NITRATE OF SODA—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 oz. to 1 gal. of water and do not apply oftener than twice a week.

1 lb., 15c; 2 lbs., 25c; 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.75; 50 lbs., \$2.75; 100 lbs., \$5.00.

PHOSPHATE, SUPER-ACID (16 Per Cent) — Apply 1,000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis.

5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.75.

ALL-ORGANIC ROSE FOOD (7-8-5)

—A balanced Rose Ration for All Garden Uses. An organic, no filler, 100% Plant Food of Dried Blood, Fish Scraps, Bone Meal, Potash, Cottonseed Meal and Phosphate. This is a special mixture for growing roses and is a balanced, all purpose fertilizer which can also be used on all flowers, shrubbery, etc. This type mixture has been used by commercial growers and florists for many years and has given excellent results. 5 lbs., 65c; 10 lbs., \$1.15.

SHEEP MANURE—Apply 1000 lbs. per acre.

One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. Moisture maximum 6 per cent; nitrogen minimum 1.75 per cent; T.P.A. 1 per cent; potash, 3.25 per cent.

5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.25; 50 lbs., \$2.15; 100 lbs., \$3.95; 500 lbs., \$18.50; 1000 lbs., \$35.00; ton, \$65.00.

SOOT (SCOTCH IMPORTED)—This is used principally for bringing a good healthy color into foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on top of and underneath the surface.

5 lbs., 75c; 10 lbs., \$1.40; 25 lbs., \$2.25; 100 lbs., \$7.00.

SULPHATE OF ALUMINUM — Especially adapted for fertilizing Rhododendrons, and other plants requiring an acid soil.

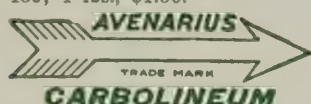
5 lbs., 60c; 10 lbs., 95c; 25 lbs., \$1.57; 50 lbs., \$2.57; 100 lbs., \$4.75.



ABEL'S INSECTICIDES AND FUNGICIDES

Due to fluctuating market, prices on Insecticides and Fungicides are subject to change without notice.

ARSENATE OF LEAD (Dry). Will destroy leaf-eating insects. Mix 2 pounds to 50 gallons water.
Lb., 45c; 4 lbs., \$1.50.



AVENARIUS CARBOLINEUM. Kills mites or ticks in hen houses. Applied once a year. Guaranteed to do the work. It will not only kill mites and fowl ticks by direct contact, but if sprayed or brushed, it will penetrate all cracks and crevices and effectually stop their propagation and keep away these pests. **PRESERVES WOOD EVERYWHERE** against rot and decay, adding at least 100 per cent to the life of fence posts, poles, sills, floors, bridge timbers, porches and to wood imbedded in concrete. It enables the use of any kind of wood grown on your own wood lot for fence posts making such species as willow and cottonwood posts as durable and lasting as the long life and expensive species.
\$2.00 per gal.; 35 gal. drum, \$1.75 per gal.; 55 gal. drum, \$1.65 per gal.

BASI-COP DUST NO. 3. Recommended for the control of Potato Blight and Potato Bugs. Analysis: 14% Basi-Cop (Metallic Copper Content 7%); 20% Arsenate of Calcium; 66% Talc and Sticker.
4 lb. bag, 75c.

BASI-COP (The Original Tri-Basic Copper Sulfate). Basi-Cop is recommended for every spraying purpose that blue-stone is used for. It contains not less than 52% metallic copper, twice as much as blue-stone, and therefore only half as much Basi-Cop is required as bluestone. Basi-Cop is neutral, non-acid; goes into suspension immediately.
4 lb. bag, 98c.

BLACK ARROW 5000. Pyrethrum and Sulphur Dust for many insects that attack your vegetable garden. A great amount is also used in greenhouses.
2 lbs., \$1.50; 5 lbs., \$3.20.



BLACK LEAF 40 (Nicotine Sulphate). Destroys aphids, thrips, etc.

1-oz. bottle	\$.36
5-oz. bottle	1.05
1-lb. bottle	2.42
2-lb. bottle	3.92
5-lb. bottle	7.40
50 lbs.	53.90

BORDEAUX MIXTURE (Dry). For all fungoid diseases, mildew, and various rots of grape, etc.

1 lb., 40c; 4 lbs., \$1.00.

BULB COAT. A non-toxic water-soluble wax emulsion to protect all types of bulbs from attack by certain insects (Thrip, Bulb Flies, Bulb Mites, Rodents and Fungus Diseases during early planting stages, and while in storage).
Pint bottle, 60c.

CALCIUM ARSENATE. For spraying to kill potato beetles and cabbage worms, and for use on plants having hardy foliage, use 1½ to 2 pounds to 50 gallons water or 2 tablespoons to 1 gallon water. For dusting, dilute with an equal amount of hydrated lime and apply with duster.
1-lb. pack, 25c; 4 lbs., 80c.

C.P.O. (Insecticidal Soap Spreader). Odorless, non-poisonous, liquid form. Dilute 1 to 80 to make nicotine, pyrethrum and other insecticidal poisons more effective. Can also be used without insecticidal poisons for control of JUNIPER SCALE, many forms of aphids and certain other insects infesting evergreens, flowering shrubs, fruits and vegetables.
Pt., 75c; qt., \$1.25; gal., \$2.75; 5 gals., \$10.50; 10 gals., \$18.00.

COPPER-A-COMPOUND. Very good fungicide. 45% metallic copper.
6 lb. bag, \$2.25.

COPPER SOLUTION. The original ammoniated copper so highly recommended by Department of Agriculture as the most effective preventative for mildew, black spot, rust, etc., on roses and other plants. Highly concentrated—stands dilution 80 to 1. Invisible on foliage or blooms.

½ pt., 50c; pt., 85c; qt., \$1.50; gal., \$4.60.



CORNFUME. For the control of the Corn Ear Worm. Based on a formula successfully used in tests made by leading Agricultural Specialists. Economical. Easy to apply. The Cornfume pump delivers just the right dose in one application. Cornfume is applied just before the corn tassels. One application is sufficient for effective control. Tasteless and odorless. Cornfume does not impart any foreign odor to the corn. Harmless and non-poisonous when used in Corn Ear Worm control.
Half pints at 35c; half pint size with Cornfume Pump, \$1.50.

CYANOGLAS G-FUMIGANT. The positive fumigant for greenhouse fumigation, mushroom house fumigation, warehouse and flour mill fumigation, grain fumigation, seed fumigation, fumigation of growing and dormant nursery stock, soil sterilization (wireworms, millipedes, grubs, and other soil insects). Fumigating bulbs in storage (gladioli, narcissi, iris, etc.). Fumigating tourists' camps, summer camps, bunk houses (for bedbugs, cockroaches, etc.).
5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00.

DI-NITROL. (Wettable). Di-nitrol is recommended for control of green and rosy apple aphid and, when combined with oil emulsions such as S-W Free-Mulsion, Flo-Mulsion, or Spra-Mulsion, for control of bud moth, leaf roller, red bug, red mite, San Jose, oyster shell and scurfy scale. For bud moth, leaf roller, red bug, European red mite, scurfy and oyster shell scale and rosy and green aphid use 1 pound of Di-Nitrol with a 3 to 4% oil emulsion made by adding 4 to 5 gallons of Free or Flo-Mulsion to 100 gallons of water in the spray tank. When San Jose scale and green and rosy aphid only are present use 2% S-W Free or Flo-Mulsion and 1 pound of Di-Nitrol.
1 lb., 60c.

DN DUST NO. 10. For the control of red spider mite, thrips, and rust of Carnations.
10 lbs., \$5.25.

DOW SPECIAL POTATO SPRAY. Fungicide and insecticide.
1 lb., 40c; 3 lbs., 75c.

DOWSPRAY 17. Highly effective in controlling red spider, mite on carnations, roses, calla lilies, snapdragons, gardenias, azaleas, hydrangeas, ivy and dwarf oranges. Very effective spray and remains for five or six days. Use at the rate of ¾ lb. to 100 gal. water.
1 lb., \$3.75.

DUPONT DEENATE 50-W. Wettable powder for use on agricultural crops, farm animals and farm buildings. A Dupont pest control product. Active Ingredient DDT at least 50%.
4 lbs., \$2.75.

DUPONT FERMATE. Fungicide for control of certain plant diseases. A DuPont pest control product. Active Ingredient Ferric Dimethylthiocarbamate.
3 lbs., \$2.50.

DUPONT GARDEN DUST. Contains 5% DDT, ¾% Rotenone, plus Zerlate and Fermate. A complete insecticide and fungicide for garden use.
8 oz. sifter can, 70c.

DUPONT ROSE DUST. For mildew and black spot on roses.
8 oz. can, 70c.

DUPONT SPREADER-STICKER. A combined spreading, sticking, and wetting agent designed especially for use with agricultural sprays.
Pt., \$1.25; gal., \$5.70.

For Insecticides SEE THE SEEDSMAN!

You can buy insecticides in many types of stores.

But there is only one type of store where the necessary **KNOW-HOW** goes along with the merchandise.

A good seedsman isn't only a merchant. He's a garden doctor, always on the job to help you make your home more beautiful, more fruitful. He **KNOWS!**

Therefore, plain common sense says.

For Insecticides See the Seedsman!

D-X NICOTINE. A nicotine spray in the famous D-X base for unrestricted use against insects of flowers and shrubs, as well as food crops. Combines with arsenate of lead, making one of the most powerful Japanese beetle repellents available. Especially effective against hard-to-kill insects in the garden.
1½ oz., 40c; ½ pt., \$1.50; qt., \$4.75.

FISH-OIL SOAP. Commonly known as "Whale-oil Soap." Makes an excellent wash for trees and plants.
Lb., 38c; 5 lbs., \$1.50.

FLOWERS OF SULPHUR. A staple preventative for mildew on grapes, roses, etc.
Lb., 20c; 5 lbs., 75c; 10 lbs., \$1.40; 25 lbs., \$2.75; 50 lbs., \$4.25; 100 lbs., \$8.00.

FUNGITROGEN. The spray for controlling mildew and black spot. It is well to spray regularly about every five days with this preparation in order to prevent mildew and black spot from getting control of your roses. Use two ounces to the gallon of water. It is necessary to control mildew and black spot, as they will eventually destroy the plant, and when Fungitrogen is used, not only does it act as a preventative and remedy, but each time you spray with this material the plants are stimulated to better growth and foliage and consequently unusually fine blooms.
½ pt., 75c; pt., \$1.25; qt., \$2; ½ gal., \$3.50; gal., \$6.

GRAPE DUST. To kill mildew of grapevines; also on other plants or trees affected with mold, mildew, and rust-mites.
Lb., 40c; 5 lbs., \$1.50.

JAPELLENT is a non-poisonous arsenic-free insecticide and repellent that kills Japanese beetles on contact and protects plants against injury. Japelent is harmless to humans and animals, but deadly toxic to beetles and other leaf-eating insects. It leaves an invisible protective film.
3 oz. can (makes 4 gals.), 50c; 12 oz. can (makes 15 gallons), \$1.50.

KRYOCIDE. Natural Cryolite. An effective insecticide for many insects. Spray or dust.
Lb., 38c.

JAPIDEMIC. Milky disease spore dust for control of the Japanese beetle. It contains the causal organisms of the type A milky disease of Japanese beetle larvae or grubs, in the spore form. The milky disease of Japanese beetle grubs which when introduced into the larval or grub populations spread and builds up to epidemic proportions by natural processes.
Lb., \$5.00.

LARVACIDE. The safer fumigant for insect and rodent control and soil fumigation. Safer because of inseparable tear gas warning. Will not burn or explode. Penetrating. Used by flour mills, feed mills, warehouses, grain elevators, seed storage, stores, furriers, florists, nurserymen, seedsmen, cemeteries, general farms, dairy farms, etc.
1 lb., \$1.75.

LEMON OIL. Destroys mealy bug, scale, red spider.
Pt., 60c; qt., \$1.00.

LINSO SOAP. A refined liquid soap. Used as a spreader in greenhouses, home gardens, and orchards, without the disagreeable odor of fish oil.
Gal., \$2.10.

LIME-SULPHUR (Dry). Widely recommended and known as one of the best preparations for San Jose scale, oyster-shell scale, etc.
1-lb. can, 40c; 5 lbs., \$1.45; 12½-lb. bag, \$2.00; 25 lbs., \$3.75; 100 lbs., \$12.50.

ABEL'S INSECTICIDES AND FUNGICIDES

Due to fluctuating market, prices on Insecticides and Fungicides are subject to change without notice.

LIME-SULPHUR SOLUTION. A concentrated liquid form of this widely used insecticide and fungicide for spraying fruit trees. It is usually combined with other materials to control several types of insects and diseases with the same spray. Dilution: 1 to 20 for dormant spraying. 1 qt., 50c; 1 gal., \$1.25.

LORO. A superior contact insecticide for the control of red spider, mealy bug, plant mites, lace bugs, aphids, thrips, and mummy midge. Pt., \$2.00; gal., \$10.50.

LUCKY STRIKE kills all plant insects on your flowers and vegetables. Lucky Strike is the revolutionary spray that has created a tremendous sensation among entomologists, florists, gardeners. In the opinion of many, it represents the greatest advance that has been made in an insecticide. Lucky Strike is the kind of spray you have long wanted. It contains a substance more deadly to insects than anything else ever discovered... yet it does not harm children, animals, or the plants and the delicate flowers on which it is sprayed. 1 oz., 35c, makes 4-8 gals.; 1/4 pt., \$1.00, makes 15-30 gals.; 1/2 pt., \$1.60, makes 35-70 gals.; 1 pt., \$2.50, makes 70-140 gals.; 1 qt., \$4.50, makes 140-280 gals.; 1 gal., \$14.00, makes 500-1000 gals.

LUCKY STRIKE HOUSEHOLD SPRAY. 5% DDT, 5% pyrethrum. Pt., 60c; qt., \$1.00; gal., \$2.95.

LUCKY STRIKE TRIPLE GARDEN SPRAY. 25% DDT, 1% Rotenone. Very good insecticide for flowers and vegetables. Qt., \$4.50; gal., \$14.00.

MANGANESE SULPHATE (65%) (Spray and Fertilizer Grade). In some localities Manganese Sulphate is being used as a catalyst or a safener for Lime Sulphur Solution. The usual recommendation is 4 to 5 oz. per 100 gallons of spray. (1 pound to 400 gallons spray). Also used as a fertilizer to supply manganese in the soil. It is also used in certain types of animal feeds. As fertilizer, increased yields have been obtained with fertilizer containing 5 to 10 pounds of this material to the ton. 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$4.25; 100 lbs., \$8.00.

NAPHTHALENE FLAKES. Useful in controlling gladiolus thrips, cyclamen thrips together with certain soil insects. Lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.80; 25 lbs., \$4.00.

NICO-FUME LIQUID. A highly refined solution of free nicotine guaranteed to contain fully 40 per cent nicotine. Used for destroying aphids, thrips, etc. 2 lbs., \$3.45; 8 lbs., \$11.95.

NICO-FUME PRESSURE FUMIGATOR. Nico-Fume Pressure Fumigator is safe for the plants and is the most commonly used fumigant. Insects on crops grown in greenhouses may be controlled by fumigation in many instances. This is advantageous to greenhouse owners because fumigation reaches every leaf and bud, and requires less time and labor than does spraying. 1/2-lb. size, 45c each; case lots of 1 doz., \$4.60; 1-lb. size, 75c each; case lots of 1 doz., \$7.95.

OPTOX. Insecticide plant spray for the control of many insects in greenhouse and garden. Qt., \$5.00; gal., \$16.00.

PARA-DICHLOROBENZINE (P.T.B.). For peach-tree borers. Lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50; 25 lbs., \$5.25.

PARIS GREEN. Superior quality. 1/4 lb., 25c; 1 lb., 75c.

POMO-GREEN WITH NICOTINE. For spraying or dusting against plant diseases and various pests. Lb., 75c; 5 lbs., \$3.00.

PESTROY. An all-around spray for the home orchard and garden. It contains 85% Bordeaux and 15% Arsenate of Lead and will control chewing insects and plant diseases. Pestroy is recommended for potatoes, beans, and all garden crops and is an excellent spray for flowers. Pestroy may be used at the strength of 7 tablespoonsful to 1 gallon of water or used as a dust as it comes from the package. 1 lb., 40c; 4 lbs., \$1.35.

PARA-SCALECIDE. Protect your peach trees. The modern, safe, peach borer control. A prepared combination of Scalecide and para-dichlorobenzene making a liquid treatment for treating peach borers that is effective and safe on young and old trees with a considerable saving of labor of application. Qt., \$1.00; gal., \$2.50; 5 gals., \$8.25; 15 gal. drum, \$19.82; 30 gal. drum, \$32.50; 55 gal. drum, \$50.00.

PROTEXALL GARDEN DUST. Protexall Dust is ready for instant use. Dust at any time, preferably when plants are moist. Dust the upper and lower surfaces of the leaves. Controls many chewing insects and most sucking insects. Also for control of Rotenone, 1%; Ferimate, 5%; Sulphur, 20%; Inert, 69%. 1 lb. box, 75c.

PYROX-NICOTINE PYROX. The new improved Pirox. For the first time a spray that kills all garden bugs—both sucking and chewing insects. Controls disease such as blight and other plant diseases. Just mix with water and spray. 20-oz. jar, 60c; 5-lb. can, \$2.10.

RED ARROW INSECT SPRAY. A non-poisonous, efficient insecticide for use against sucking and chewing insects, such as Mexican bean beetles, rose-chafers, aphid (plant lice), leaf-hoppers, etc. Oz., 35c; 4 oz., \$1.00; pt., \$2.85; qt., \$5.50; gal., \$19.00.

ROTENONE DUST. 2% Rotenone and other Derris Resins. Thiocyanate Compound. 15% Microscopic Sulphur. Carrier—with high Electrostatic Charge. Made from high Rotenone content Derris Root. This product contains soil of the Rotenone and other active Derris Resins contained in the Derris Root from which it is made. Insecticide and Fungicide. For general garden dry dusting or wet spraying. Defends crops. Ready to use. This product does not contain Arsenic of Lead. 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50.

ROTCIDE. Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphids, etc. Gal., \$8.00.

SAFE-N-LEAD. Sherwin-Williams Safe-N-Lead is a patented zinc compound in powdered form for use with Arsenate of Lead sprayed on apples and peaches to prevent arsenical injury to fruit and foliage. Safe-N-Lead is recommended at the rate of 1 pound to every 3 pounds of Arsenate of Lead. 3 lbs., 75c.

SCALECIDE. The quality miscible oil. Oldest and best known dormant or delayed spray for fruit trees and ornamentals. Easy and pleasant to use. Use 1 to 15 for all deciduous trees, 1 to 20 for evergreens. Kills scale, aphids, red mite and other insects wintering on the trees. It is a complete dormant spray. Invigorates and kills insects. Fall spraying controls scale, peach leaf curl, pear psylla, bud moth, case bearer, etc. Spring spraying controls scale, red mite aphids, red bug, tent caterpillar, leaf miner, case bearer, etc. Qt., 85c; gal., \$2.00; 5 gals., \$7.35; 15 gals., \$17.25; 30 gals., \$27.50; 55 gals., \$42.50.

SLUG SHOT DUST. The safe, non-poisonous, dusting Insecticide. Kills chewing insects and controls fungus. Harmless to humans, plants and vegetables. Kills Mexican bean beetle, cabbage worms, beetles, potato bugs, green flies, slugs, etc. 1 lb., 40c; 5 lbs., \$1.70.



1 lb., 35c; 2 1/2 lbs., 75c; 10 lbs., \$2.25.

SNAROL is a ready-prepared meal that you simply broadcast on the ground, under vegetation. Kills cutworms, sowbugs, grasshoppers, slugs, snails, earwigs, etc. It will not deteriorate from rain or sprinkling. Thus it lasts longer and is more economical. It is non-injurious to vegetation.



SODIUM SELENATE. A certain minimum concentration of Sodium Selenate must be absorbed by the leaves before the feeding insect will be killed. Once this minimum is reached, bugs die right on the plant. Stock mums plants heavily covered by aphids and red spider mites will look plastered with bugs long after 100 per cent of them have been killed by feeding on the plant juices. Makes plants poisonous to insects. The system of applying Sodium Selenate to the soil in soluble form, was developed by Dr. Wm. Blauvelt of Cornell University. It enables the plant to be its own insecticide. The plant takes up the selenium from the soil, thereby making the plant juices poisonous. 100 grams, \$1.50; 1 lb., \$4.00.

P-40 is 2% Sodium Selenate impregnated on superphosphate. P-40 is applied in dry form. Growers who have long practiced the broadcasting of fertilizers in dry form have found P-40 as easy to handle. 25 lbs., \$4.25; 50 lbs., \$8.00; 100 lbs., \$14.00; 1,000 lbs., \$125.00.

SPORGO. A high-cropper adhesive type spray powder against fungus diseases. 1 lb., 60c.

SPRA-MULSION. A heavy-bodied oil emulsion recommended as a dormant spray. It contains 96% active ingredients. Spramulsion will not freeze because of its high oil content and low water content. Spramulsion makes a uniform permanent white emulsion when mixed with water. 1 gal., \$1.30 5 gal., \$5.25.

SULFOCIDE. A liquid fungicide for fruits, vegetables, and flowers to control mildew, rust, anthracnose, brown rot, etc. Qt., \$1.25; gal., \$2.75.

SULPHUR, WETTABLE (Dritomic). A new and greatly improved summer fungicide containing 95 per cent Sulphur of 325-mesh fineness. It wets immediately upon being placed in water and will stay in suspension indefinitely. Ideal for wet spraying of fruit and ornamental trees to control scab-rot, leaf-spot, mildew, rust, etc. 1 lb., 20c; 5 lbs., 75c; 10 lbs., \$1.40; 25 lbs., \$2.75; 50 lbs., \$4.25; 100 lbs., \$8.00.

SUNOCO SPRAY OIL. For the control of scale insects, red spider, aphids, thrips, etc. Cheap, effective, and pleasant to handle. Gal., \$1.35; 5 gal., \$5.60; 55 lb. drum, \$21.73.

TARTAR EMETIC. To control gladiolus thrip, use 4 lbs. Tartar Emetic with 16 lbs. brown sugar to 100 gals. of water. Lb., \$1.25.

TREE TANGLEFOOT. Stops all climbing insects. This sticky compound is easy to apply with a wooden paddle. 6 oz., 60c; 1 lb., \$1.00; 5 lbs., \$3.95.

TRIOGEN. For controlling black spot, mildew and blight. Especially recommended for roses, asters, snapdragons, carnations, hollyhocks, delphiniums, phlox, chrysanthemums, golden glow, dahlias and many other plants subject to disease and insects. A. Small Kit (makes 16 quarts), \$1.50, protects 12 to 20 roses for season; B. Medium Kit (makes 49 quarts), \$4.00, protects 50 to 80 roses for season; C. Large Kit (makes 32 gallons), \$6.00, protects 100 to 160 roses for season; D. Estate Kit (makes 128 gallons), \$20.00, protects 400 to 600 roses for season; E. 90c.

VOLCK NURSERY AND GARDEN SPRAY. Controls scale, red spider, white fly, mealy bugs, and the eggs of various other pests. 4 oz., 30c; 16 oz., 60c; gal., \$2.50; 5 gal., \$8.50.

WILSON'S O.K. PLANT SPRAY. For inside and outside spraying. For aphids, thrips, mealy bug, scale, rose-bugs, and many other insects. The only insecticide recommended by the officers of the Garden Club of America. Gal., \$3.50.

ZINC SULFATE. Sherwin-Williams Zinc Sulfate is recommended for use as a spray on peaches to control Bacterial Leaf Spot and to prevent arsenical injury to peach foliage. Also for correcting soil conditions in Tung Nut and Citrus groves. 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$4.25; 100 lbs., \$8.00.

WEED KILLERS-HORMONES-DISINFECTANTS

SULPHATE OF AMMONIA—Apply 70 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired; will stimulate growth almost immediately. Analysis equal to 25% of ammonia.
5 lbs., 60c; 10 lbs., 95c; 25 lbs., \$1.57; 50 lbs., \$2.57; 100 lbs., \$4.75.

TANKAGE—This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood.
5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.75; 100 lbs., \$7.00.

TEROGEN—A spring and summer ground dressing; reinforces any manure fertilizers you may use.
Lb., 75c; 2 lbs., \$1.25; 5 lbs., \$2.75; 10 lbs., \$4.75.

TOBACCO DUST. Extra fine for dusting. If dusted on while the foliage is moist, it destroys rose-lice, cabbage and turnip fleas, etc. Also used as a fertilizer.
Lb., 10c; 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.88; 50 lbs., \$3.50; 100 lbs., \$6.00.

TOBACCO STEMS—For fumigating, mulching and fertilizing, these are invaluable. The chief fertilizing element in them is the potash.
5 lbs., 25c; 10 lbs., 50c; 50 lbs., \$1.75; 100 lbs., \$3.00.

V-C GARDEN FERTILIZER—Prices: 5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.40; 50 lbs., \$2.20; 100 lbs., \$3.50.

VIGORO—A specially prepared plant food for lawns, vegetable and flower gardens, shrubbery, trees, etc.
Lb., 10c; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Soil Conditioners

ABEL'S SPECIAL CANADIAN PEAT MOSS—Granulated Peat Moss should be used liberally about the garden or greenhouses, for potplants, window boxes, growing bulbs, etc. It is also useful for mulching perennial beds, lawns, roses, etc., and mixing with sandy or clayey soils. Bale covers 120 sq. ft. 1 inch deep.
Bale, \$5.75.

MICHIGAN PEAT MOSS—America's finest All-American peat. Thousands of years ago, there was a lake where now stretches a huge peat bog at Capac, Michigan. For centuries, the moss grew in the still waters until finally the lake disappeared, leaving in its place the finest peat deposit on the American continent. From this peat bog, Michigan Peat—Soil Sponge is scientifically produced, dried in the sun and stored in brick buildings to insure the maintenance of uniform quality. This scientifically processed peat costs no more than inferior substitutes, so when you buy, insist on Genuine Michigan Peat—soil sponge from Capac.
\$3.25 per bag (100 lbs. when packed).

CARBOLA. An efficient disinfectant for poultry houses, stock barns, cellars, etc., applied to the earth around growing plants such as cabbage, it will help to prevent cabbage maggot. Repels rabbits, moles and other rodents. Does not burn foliage.
1-lb. can, 25c; 5 lbs., 80c; 10 lbs., \$1.35; 50 lbs., \$5.50.

CROW-FEZ—Crow repellent. Birds and animals will not bother seed corn or other grain treated with Crow-Fez. Protects corn and seeds from rot. Does not hinder germination. Not poisonous. One-half pint treats 1 bu., pint treats 2 bushels, quart treats 4 bushels.
½ pt., 35c; pt., 50c; qt., 75c.

CORONA TREE WOUND PAINT. Antiseptic tree wound paint will stop tree bleeding and prevent infection of pruned or damaged portion of tree. Adherent and lasting.
Qt., \$1.00; gal., \$2.50; 5 gal., \$11.25.

Weed Killers

ALFICO CRABGRASS KILLER—An amazing new discovery that effectively kills crabgrass and weeds in the lawn without destroying permanent lawn grasses. Sprayed on infested areas during September, Alfico will destroy both the plant and the seeds, checking reinfestation next year.

½ pt., \$1.00; pt., \$1.50; qt., \$2.50.

DUPONT AMMATE WEED KILLER. Ammate is not considered poisonous and may be used safely on weed-infested areas without danger to livestock and humans. It is entirely free from fire or explosion hazards and actually has inherent fire-retardant properties. Ammate usually exerts only temporary soil-sterilizing effects, varying with the soil. Treated areas may often be used for growing crops during the same season.

2-lb. size, 85c; 6-lb. size, \$2.25.



"DOLGE" WEED KILLER. Used only on paths, drives, gutters and places where no growth is wanted. Dilute 1 gallon with 40 gallons of water.

Qt., 95c; gal., \$2.25; 5 gals., \$10.00.

G & O WEED KILLER. Kills all plant growth. Dilute 1 part with 40 parts of water. Applied with an ordinary watering can.

Qt., 65c; gal., \$1.80; 5 gals., \$8.40.

HERBICIDE. (The original weed killer on the market since 1888.) Destroys weeds and grasses on paths, driveways, tennis courts, cobble gutters or any place where weed growth is not wanted.

Qt., 65c; gal., \$1.80; 5 gals., \$8.40.

TAT C-LECT. Crab grass killer. Kills young seedlings, mature plants, retards germination. Absolutely safe on common lawn grasses.

8-oz. bottle, 85c; 16-oz. bottle, \$1.50.



The new internal weed killer. Kills Poison Ivy, Poison Oak, Bindweed, Honeysuckle, Dandelion, other noxious weeds. Sprayed on leaves, it travels down and kills right out to the root tips. Sprayed on lawns, it kills dandelions and other weeds without hurting the grass. Non-corrosive, safe for humans and animals. Just mix with water and spray.

6-oz. bottle (covers 500 sq. ft.), 75c; 1-qt. can (covers 2,500 sq. ft.), \$2.50; 1-gal. can (covers 10,000 sq. ft.), \$7.50; 5-gal. @ \$6.00 per gal.; 54-gal. @ \$5.00 per gal.

2,4D WEEDUST. Weed killer. Just dust the weeds out of your lawn.

12-oz. can, 75c.

FRUITONE

REG. U. S. PAT. OFF.

MORE TOMATOES AND MORE SEEDLESS TOMATOES WITH FRUITONE

This plant hormone spray will help develop a better set and a bigger crop of tomatoes. If the spray hits the blossoms after blooming and before pollination, the tomatoes will be seedless. Simple and easy to use, Fruitone also helps grow big berries on berry-bearing shrubs and stops pre-harvest drop on fruit trees.

25c pkt. makes 5 gal.; \$1 pkg. makes 25 gal.

ROOTONE

Reg. U. S. Pat. Off.

ROOTONE, the plant hormone powder, for cuttings, seeds, tubers, and bulbs. Just dip the base of the cutting or slip in ROOTONE, set in sand, and the roots will grow faster and bigger. By dusting seed with Rootone, seedlings grow faster and more uniformly, producing stronger plants and better crops.
¼-oz. packet, 25c; 2-oz. jar, \$1.00; 1-lb. can, \$5.00.

TRANSPLANTONE

Reg. U. S. Pat. Off.

TRANSPLANTONE, the hormone-vitamin powder for stimulating roots in transplanting. Makes shrubs, trees, and plants in general, take root faster. Produces earlier maturity and larger crops when used on tomato, cabbage, celery, lettuce, tobacco, and sweet potato plants.
½-oz. packet, 25c; 3-oz. can, \$1.00; 1-lb. can, \$4.00.

GRAIN-O. For rooting cuttings, bulbs, treating seed. For rooting just dip basal end of cutting or bulb in powder. Or, for bigger yield at amazing low cost, just dust Grain-O powder on all your garden and field seed. It inoculates it with hormones and vitamins; makes healthier growth, increases yield. For corn, costs only ½c to 4c an acre.

Packet sufficient for average garden, 25c; popular 20-in-one size for market garden and small farm, contains 20 individual treatment packets, \$1.50.

MICA-GRO. Speeds germination, strong root growth.

New improved Vermiculite bag, \$2.25.

Seed Disinfectants

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings.
1/3 oz., 12c; 2 oz., 45c; 12 oz., \$2.10; 4 lbs., \$10.10; 25 lbs., \$58.28; 100 lbs., \$219.80.

SPECIAL SEMESAN. Control for Brown Patch, Dollar Spot, etc., in bent lawns.
5 oz., 70c; 4 lbs., \$6.92; 25 lbs., \$39.96; 100 lbs., \$149.85.

SEMESAN, JR. For sweet corn.
½ oz., 17c; 12 oz., 62c; 6¼ lbs., \$4.16; 25 lbs., \$13.85; 100 lbs., \$49.95.

SEMESAN BEL. For potatoes.
2 oz., 35c; 1 lb., \$1.83; 4 lbs., \$6.33; 40-lb. drum, \$59.00; 100 lbs., \$138.75.

NEW IMPROVED CERESAN.
4 oz., 35c; 1 lb., 90c; 4 lbs., \$3.00; 8 lbs., \$6.00; 40-lb. drum, \$26.40; 100 lbs., \$61.05.

2% CERESAN.
1 lb., 85c; ½ lb., \$1.25; 4¼ lbs., \$3.50; 25 lbs., \$16.09; 100 lbs., \$57.75.

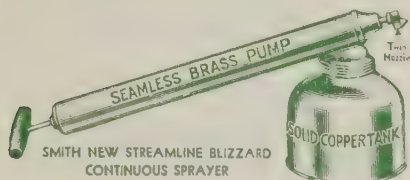
SPERGON. A new seed and bulb disinfectant which kills the soil fungi and bacteria which cause damping off, and injure gladiolus and tulip bulbs. Full strength with 98% active ingredients.
1 oz., 60c; 5 oz., \$1.25.

SPRAYERS, SPREADERS AND SOWERS

BLIZZARD CONTINUOUS SPRAYER

Of one quart capacity, fitted with a nozzle that will permit under-foliage spraying. Tank is made of copper and the pump of brass. This is, in our opinion, the finest sprayer of its type ever offered.

One quart size, \$3.25.



CONTINUOUS ATOMIZERS

No. 26BG made with lithographed tin pump, brass cone, and quart glass jar. Furnished with all-brass valve and new one-point swivel nozzle. An excellent glass jar continuous sprayer.

No. 335 1-quart continuous sprayer.....\$3.50
No. 26BG 1-quart continuous sprayer.... 1.50

E-Z KNAPSACK SPRAYER. 5 gal. zinc-grip steel tank; 1 ft. hose; 2 ft. brass extension. Adjustable nozzle. \$24.50.

HAYES HAND SPRAYER. An all-purpose quart sprayer delivering a powerful fan-shaped spray up, down, or sideways. Easy to operate. \$2.95.



BROWN'S OPEN-HED SPRAYERS

Large diameter opening compressed air sprayers, with electrically welded seams and galvanized after fabrication. Furnished with handy rubber grips, double action safety lock, adjustable removable carrying strap. Equipped with 2-foot brass extension, automatic shut-off and non-clog nozzle.

No. 4D. 4-gallon galvanized Open-hed Sprayer. \$8.95.

CYANOGENAS FOOT PUMP DUSTER

A high pressure pump of rugged construction ideal, for use in extermination work for rats, woodchucks, moles, and other burrowing animals. Easily forces Cyanogas A-Dust deep into the burrows of the pests—killing them instantly.

Especially useful for rat and mole control. Will give long service. Price, \$10.50.

SMITH'S FUNNEL-TOP SPRAYER

The No. 22GF Sprayer has side walls and head seams electrically welded. Funnel, lock, head and sides galvanized after fabrication. Durable and strong. Equipped with wooden handle grip, safety lock, adjustable removable carrying strap, 18-inch angle extension, automatic shut-off and non-clog nozzle.

No. 22GF 4-gallon Funnel-top Sprayer, \$7.50.

LAWN ROLLERS

Buch's Water-Ballast. Fill with water or sand for weight. Adapted for rolling lawns, golf courses and tennis courts.

No. 601. Diam. 14 in.; length 24 in. Weight, empty, 70 lbs.; filled with water, 175 lbs. \$17.50.

No. 602. Diam. 18 in.; length 24 in. Weight, empty, 85 lbs.; filled with water, 265 lbs.; with sand, 475 lbs. \$20.25.

No. 603. Diam. 24 in.; length 24 in. Weight, empty, 110 lbs.; filled with water, 420 lbs.; with sand, 630 lbs. \$23.50.

HOSE REELS

(ALL IRON)

Holds 100 ft. of 3/4-in. hose. Price, \$7.50.

Holds 150 ft. of 3/4-in. hose. Price, \$9.50.

DOUBLE ROTARY SPRINKLER

A favorite with country clubs for watering putting-greens. Covers a radius of 15 to 40 feet. Price, \$12.50.



SOIL SOAKER

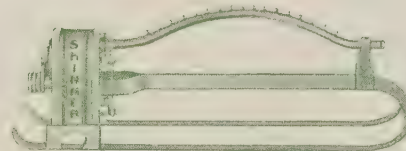
LIKE ALL-NIGHT RAIN

Water seeps through entire length gently—all spray—puts water where you want it—all soaks to the roots. Made of scientifically created, mildew-resistant canvas; one end screws to water hose, other end closed. No spray no waste on walks, driveways, in street—no excessive evaporation. Ideal for lawns, terraces, flower and vegetable gardens.

4 Home Sizes:

No. 0 12 ft.	\$1.25
No. 1 18 ft.	1.75
No. 2 30 ft.	2.75
No. 3 50 ft.	5.50

THE SPRAY WAVE



A huge fan of fine sprays swings back and forth, covering 40x50 ft. Speed control. Can be stopped at any point. Adjustable swing. A fine, gentle and penetrating spray. No caking of ground or bruising of foliage or bloom. A delight to watch. Each, \$22.50.

RAIN-WAVE

Covers space 50 to 60 feet square. Adjustable to one-half or one-quarter full coverage. Weight, 17 lbs. Price, \$42.50.

BROWN'S CRYSTAL DUSTER

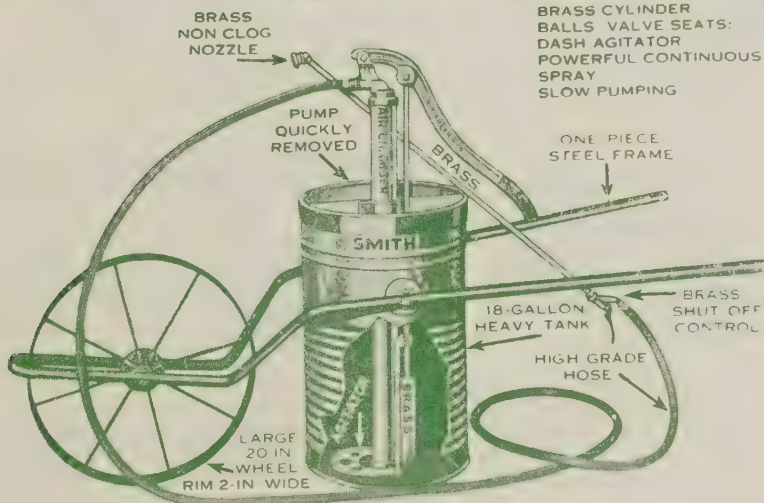
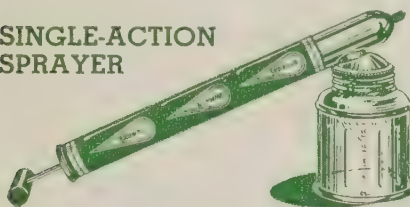
This new type Duster for use in either the flower or vegetable garden has the glass jar showing balance of dust therein. Equipped with a long extension and adjustable nozzle which permits dusting without bending. Capacity, 1 qt. Price, complete, \$1.75.



Brown's No. 14 single-action sprayer is made with tin tank and lithographed tin pump. Nontippable design, quarter turn lock, return drip cup. Dependable and durable. Will spray to last drop.

1-quart single-action sprayer.....60c, \$1.00

SINGLE-ACTION SPRAYER



No. 60SG WHEELBARROW SPRAYER

Unexcelled for greenhouse work, whitewashing, spraying garden truck. Streamlined, oval-shaped tank. Width of bucket, 12 inches. Capacity 18 gallons. All-brass working parts. Mechanical agitator. Equipped with 12-foot 1/2-inch high pressure hose. Two-foot brass extension rod and non-clog new trigger control brass automatic shut-off nozzle. May be had with steel wheels or pneumatic tires as specified. Furnished with galvanized steel tank. Electro \$26.50.

No. 60BG WHEELBARROW SPRAYER

Complete with 18-gallon galvanized bucket tank. Same description as 60SG only with rubber tire. \$41.80.

No. 60BG WHEELBARROW SPRAYER

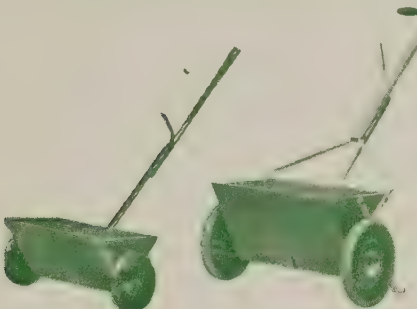
Complete with 18-gallon galvanized bucket tank. Same description as 60SG only with high pressure tank and rubber tires. \$49.50.

GARDEN AND LAWN TOOLS, ACCESSORIES

CULTIVATORS—WEEDERS—FORKS—POTATO HOOKS—HOES—SHOVELS
SPADES—RAKES—TROWELS—TRIMMING AND PRUNING TOOLS

WE ARE ALWAYS TRYING TO OBTAIN THE ABOVE TOOLS SO AS TO HAVE ADEQUATE SUPPLY. DUE TO UNCERTAIN SUPPLY WE CANNOT PROMISE TO ALWAYS HAVE A COMPLETE ASSORTMENT. CALL OR WRITE US FOR YOUR NEEDS

LAWNETTE SPREADERS

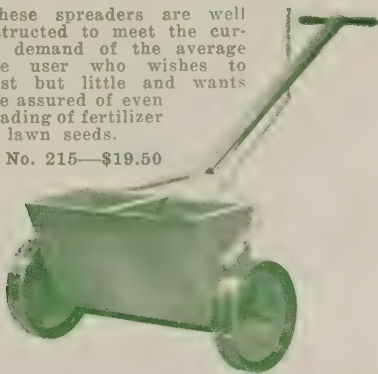


No. 15—\$5.25

No. 115—\$9.50

These spreaders are well constructed to meet the current demand of the average home user who wishes to invest but little and wants to be assured of even spreading of fertilizer and lawn seeds.

No. 215—\$19.50



HANDI-CART

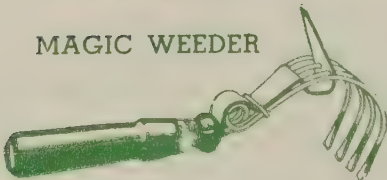
Makes a thousand odd jobs less tiresome and will give many years of satisfactory service. Sturdily supported sheet metal body; solid steel axle; 10-inch disc wheels with rubber tires.

No. 18 3 cu. ft. capacity, \$7.25

No. 20 3½ cu. ft. capacity, \$9.50.



MAGIC WEEDER



Magic Weeder No. H Style

Made of heavy, galvanized, flexible wire with flattened prongs or ends.

No. A. Short handle; small.....	\$.20
No. B. Short handle; medium.....	.30
No. F. Long handle.....	.40
No. H. Long handle; large.....	1.75

THE CYCLONE SEED SOWER

Best and cheapest crank seeder made, considering the quality of work done and durability. Will not get out of order nor be affected by damp weather. Distributes all kinds of fertilizer, land-plaster, ashes and seeds. Weight 6 pounds. \$3.25, not prepaid.



PLANET JR. TOOLS

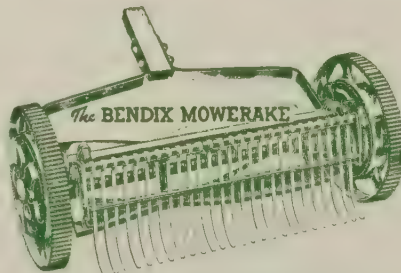
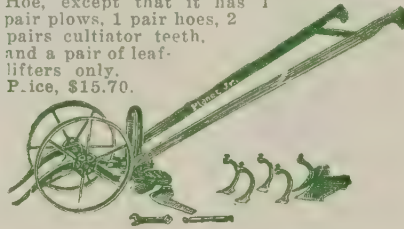
Products of 37 years' experience by a practical farmer and manufacturer who has made a science of tool-building. All guaranteed. Illustrated catalogue FREE. Prices subject to change.

NO. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR, AND PLOW. Does the work of almost all garden tools combined. It sows accurately all garden seeds in drills or hills 4, 6, 8, 12, or 24 inches apart, cultivates.

No. 4. Complete \$25.40

No. 4D. As a Seeder only..... 20.30

No. 12 DOUBLE WHEEL HOE. This is identical with No. 11 Wheel Hoe, except that it has 1 pair plows, 1 pair hoes, 2 pairs cultivator teeth, and a pair of leaf-lifters only. Price, \$15.70.



CRAB-GRASS ELIMINATOR

Adjustable to fit all mowers. Lifts the seed spikes from the surface ready to be cut in the normal operation of the mower. Fits any size mower. \$1.95.



WATERS TREE TRIMMER

Both blade and hook are made from the best tool steel, firmly riveted to basswood handles. Removable cutting blade and pole complete.

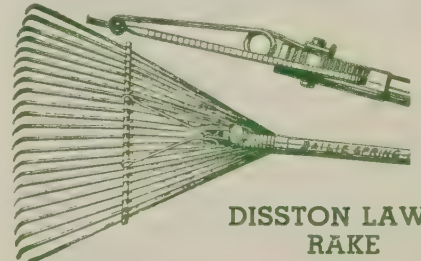
8-ft.	\$3.50
10-ft.	3.50
12-ft.	3.75

HEDGE TRIMMER, CYCLONE. Cuts in both directions trimming a 32 sq. in. swath at each stroke. Takes up to pencil thickness and eliminates the chip and chop methods. \$7.75.



New Super-Speed Model. Trims hedges, shrubs, evergreens, terrace grass and borders. Saves hours of labor. Light, vibrationless—a professional shear that a woman can use. Trims any hedge or evergreen to sharp, beautiful outlines. Self sharpening. Works from any light socket. Weighs only 5½ pounds. Electric hedgeshears have been proved in thousands of gardens.

Rice including 9 feet of cord.....\$35.00
Extra cord, 100-foot length, 16-gauge..... 6.50



DISSTON LAWN RAKE

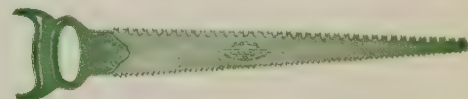
This tool, fitted with 24 teeth, made from flat spring steel, is so well constructed and of such superior material that we believe it to be the best lawn rake available. Price, small, \$2.00; large, \$2.75.

Upper View Shows Spring Construction

BAMBOO BROOM RAKE

First quality bamboo with patented brass clip and hard wood handle makes this the best on the market.

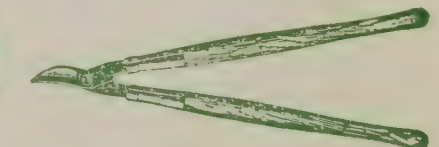
18-inch	\$1.75
24-inch	2.25
30-inch	3.00



PRUNING SAW, DOUBLE EDGE No. 40. Has 8 point teeth on one side and "Lightning" style teeth on the other. A very fine double purpose saw. \$2.50.

PRUNING SAW, CALIFORNIA PATTERN No. 166. A popular type with taper ground, curved steel blade and 8 point teeth cutting on the draw stroke. \$2.10.

No. D27. A superior saw for tree-surgery work. Steel blade 6 in. wide at butt; 1¼ in. at the point. 26 in. long; hardwood handle. \$5.50.



TIFFANY LOPPING SHEARS No. 7. All-steel blade and arms. Blade 3 in. long; arms 16 in. long. Hardwood handles, 5½ in. long. Weight, 1¼ lbs. Price, \$3.75.

FORESTER LOPPING SHEARS. A heavy duty tool for bush cutting and heavy pruning.

No. 2, for 1½ in. cut of greenwood, \$7.50;
No. 3, for 2 in. cut of greenwood, \$8.50.

GARDEN AND LAWN TOOLS, ACCESSORIES

GRASS SHEAR, DOO-KLIP. A splendid tool with cadmium-plated cold-rolled steel blades with serrated edges. The blades are 5 1/4 inches long and the zinc-alloy non-rusting handles are finished in orange and black. \$1.75.

GRASS SHEAR, LONG HANDLE DOO-KLIP. Constructed like the preceding but with a long handle which eliminates all stooping. \$2.75.



JOHNSON'S ASPARAGUS KNIFE AND WEED CUTTER. 60c each.

GARDEX

Seven Tools in One—Gardex New Inter-changeable Cultivator. Only four parts. The swing screw holds all prongs tightly in place, yet permits quick changing to a Cultivator with 1, 2, 3, 4 prongs, thus one can cultivate in rows of various widths or straddle the rows. The one-prong tool can be used in small corners or very narrow rows, because the prong-holder is no wider than the prong itself. Price, \$1.75.

No. 1523. Garder Cultivator with Weeder. Cultivate and weed with one tool. The 3-prong Cultivator loosens the soil thoroughly while the weeding-blade cuts off weeds quickly. One tool for two purposes! Painted red. 3 prongs 4 1/2 in. wide. Weeding-blade 4 in. Price, \$1.50.

HAND PLOW

Excellent for hill-ing, corn, potatoes or any plants.

No. 2006. 6 in. wide; 5-ft. handle. Price, \$1.75.

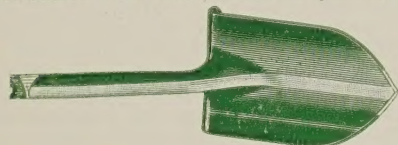


SQUARE HOES

No. SG6 1/2. 6 1/2-in.; solid shank.....\$1.75

FIELD HOE

For digging up stubble, small stumps, small plots of ground for planting purposes, etc. No. 1GH7. 7-in. blade, extra heavy.....\$3.25

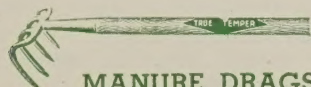
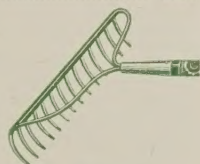


SHOVELS, LONG HANDLE

Monogah. Round point.....\$2.45
Knox All. Round point.....1.95
Empire. Round point.....1.95
Square point.....1.65

SC 14-TOOTH RAKE

One of the best garden Rakes. Price, \$1.15; 14-tooth, \$1.65.



MANURE DRAGS

For spreading manure, digging potatoes, etc. Flat tines. No. BOH. 4-tine.....\$1.90

SPADING FORKS

Strapped shanks; short or D wood handle. Made of best-quality steel. No. SAHD. Men's. 4-tine. Heavy.....\$2.25
No. SALD. Men's. 4-tine. Light.....2.00

GRASSWHIPS

The New Double-Edged, Long-Handled Grass-Cutter.

The easiest way to cut grass and weeds; cuts rapidly on both forward and back-ward swing.

No. 200. The goose-neck type; forged blade; double edged; 37-in. round steel shaft, with wooden handle.

Price, \$1.25.



GRASS SHEARS

Doo-Klip Grass Shear.....\$1.75
Wiss Grass Shear.....1.50
Wiss Scissors Type Shear.....2.25
Keiser's Grass Shear.....1.50
Keiser's Scissors Type Shear.....2.00
Long Handle Doo-Klip Shears.....2.75
Sheen Shears.....59c to 2.00



WISS HEDGE SHEARS

Superior construction; blades of high carbon steel, accurately hardened and tempered. Handles of drop forged steel with comfortable wood-grip handles. Don't tire the arms.

If wanted by Parcel Post, add 20c each for postage.

8-in.\$3.25
9-in.3.50



PRUNING SHEARS

No. 908. Wiss Hv-Power.....\$2.50
No. 100. True Temper.....3.95
D.T. 2 Henry's.....3.25
No. 4770. Henry's Chromium Plated.....3.95
No. 607. G Wiss Rose Pruner.....2.00
No. 571. S & S Snap Cut.....1.75
No. 21. S Newman's Thinning.....1.75
No. C-4. Wiss Thinning Shear.....2.10



JOHNSON STEEL TROWELS

No. 211. These are made of one piece steel blade and shank, with wood hand-grip.

5-in.\$1.50
6-in.1.25
7-in.1.50

AQUELLA

Fix Your Leaking Walls or Cellar With New . . . Scientific

The Mineral Surface Coating that was used to control seepage and dampness in the Maginot Line—after other materials failed.

Penetrates on application to fill, close and seal the minutest pores of the masonry surface, is equally effective when applied inside or outside . . . above or below ground—on concrete, brick, stucco, cement, plaster or concrete masonry units, leaves a glistening white finish that can be painted over with any color. Aquella may now also be obtained in grey and green.

Won't powder, peel, flake or rub off.

Mixed with water, according to directions, one bag makes 1 gal. First coat covers 60 to 120 sq. ft. per gal.; second coat, 200 to 250 sq. ft. per gal.

Obtain Aquella No. 1 for interiors . . . Aquella No. 2 for exteriors. Colors, White, Grey and Green. \$3.95 per bag.

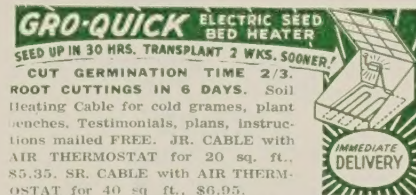
METAL PLANT PROPS



"Out since Pearl Harbor . . . now available again!" Green enameled steel props that provide perfect support for all types of flowers and plants. Plant Props are rot-proof, termite-proof, wear-proof! They can be saved from year to year . . . look good in any part of the garden . . . and cost very little.

"America's Darling of the Props"

16" size, 50c per doz.; 30" size, 95c per doz.; 42" size, \$1.20 per doz.; 66" size, \$2.00 per doz.; 78" size, \$3.00 per doz.



CUT ROASTING EARS 5 TIMES AS FAST AT 1/4 THE LABOR

The world's easiest and fastest way to remove young corn from roasting ears. Cuts . . . shreds . . . scrapes in one operation. No mess! No spatter! Cuts down spoilage too. Lee's Corn Cutter enables you to can 12 months' supply of delicious cream style corn in SPATTER a few hours.



BULB PLANTER

An indispensable tool because it makes a perfect planting hole for practically all sorts of bulbs without disturbing the surrounding soil.

Price, 75c.



POWER LAWN MOWERS for 1948

Supply is uncertain at the time this catalog went to press. Consult us about mowers.

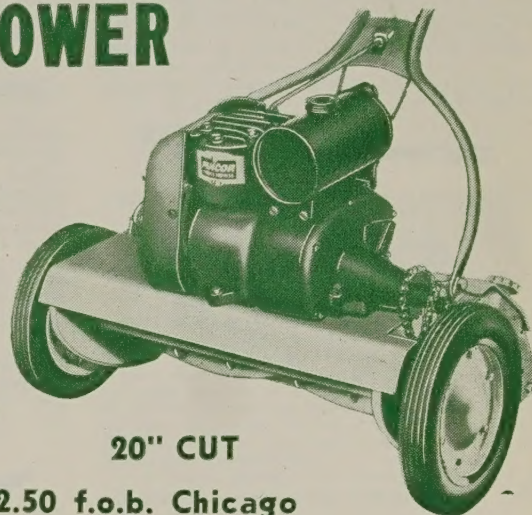
PLACE YOUR ORDER NOW SO AS NOT TO BE DISAPPOINTED LATER.

PINCOR P-20 POWER MOWER

PACKED WITH NEW TIME SAVING FEATURES

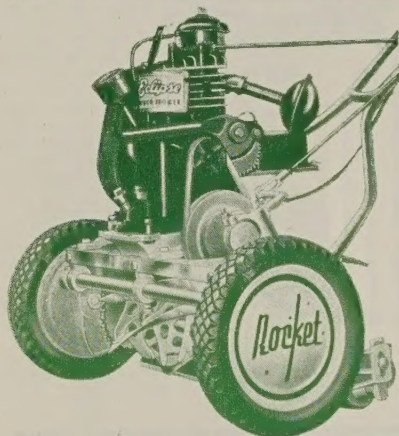
The PINCOR P-20 is a powerful new, precision built all-steel lawn mower for home and commercial use, designed from the ground up as a Power Mower with EXTRA POWER for zne lawn cutting anywhere. The P-20 takes the "Work" out of lawn mowing. Easy to handle and operate. Shipping weight 150 lbs. F.O.B. Chicago. **\$150⁰⁰**

- 1½ H. P. 4 Cycle Extra Powered Engine—Positive Automotive Type Clutch—Built-in Sharpener No Extra Cost.
- Rugged All Steel Chassis—Six Spider, Blade 20" Welded Steel Reel and Cutter Bar Assembly a Removable, Exchangeable Unit
- Cutting Height Hand Adjusted from ½" to 2½"—Positive Chain Reel and Wheel Drive—Life Lubricated Bearings—Cushioned
- Rubber Tires—Finger Tip Control



20" CUT

PINCOR PORTABLE ELECTRIC HEDGE TRIMMER \$32.50 f.o.b. Chicago



ECLIPSE ROCKET
MODERNIZED MOWING FOR
HOME OWNERS

\$125.00

F.O.B. FACTORY

Winged Performance on Goodyear
Semi-Pneumatic Tires!

Rocket demand has shown the greatest ownership desire since the coming of the automobile. Its appeal has been instantaneous because it keeps pace with the American mode of living. The Rocket is starred with features—full 20 in. cut, Briggs & Stratton motor, Timken bearings, Goodyear rubber tires, self sharpening. Now modernized and priced for the average family.

THE MOTO-BOY

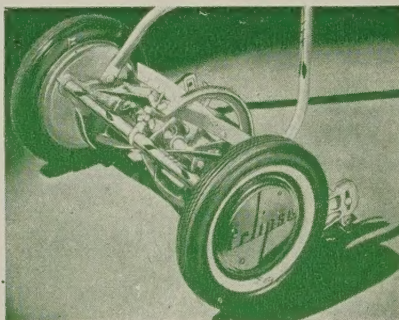
Briggs & Stratton Engine, ¾ H. P.
Clutch and mower speed control on handle bar.
Reel 6" diameter, 5 blades, Timken bearings on the cutter shaft.
Cutting heights ¾" to 1½".
Semi-Pneumatic Tires.
19" Cut—Capacity, 1½ acres per day.
Price \$125.00 F.O.B. Factory.

THE SCOUT

Briggs & Stratton Engine, 1½ H. P.
Clutch and mower speed control on handle bar.
Reel 6" diameter, 5 blades, Timken bearings on cutter shaft.
Cutting heights ¾" to 1¾".
Semi-Pneumatic Tires.
21" Cut—Capacity, 2 acres per day.
Price \$176.00 F.O.B. Factory.

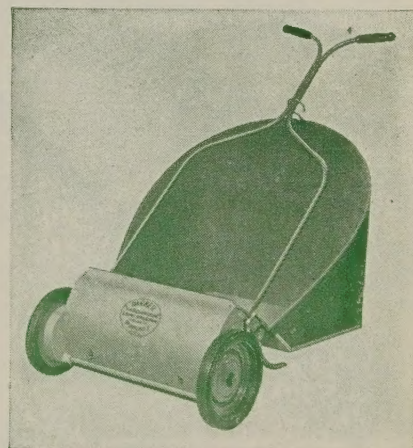
Eclipse

THE WORLD'S BEST
LAWN MOWER



The Eclipse is always in perfect adjustment—no tinkering—no expense.
The Eclipse is always sharp. No expense—no attachments—no disassembly.
Eliminates the old screw driver method—easy finger-tip adjustment assures proper set of knives for sure cutting.
Eliminates that yearly sharpening cost—only Eclipse provides you automatic self-sharpening without use of tools, or disassembly.

16"—\$24.85; 18"—\$26.55.



PARKER YARDGROOM
LAWN SWEEPER

Will do four hours work in one hour.
The Parker Yardgroom Lawn Sweeper operates with a soft, easy, whirling movement that gently lifts leaves, freshly cut or dried grass, sticks, stones and paper from lawns.

The Parker Yardgroom Lawn Sweeper is especially designed for the smaller homes and estates and is recommended for the maintenance of well-kept lawns with a minimum of time and labor. Lawn sweeping controls the spread of obnoxious weeds. Crab grass, dandelion, buckhorn and countless other foreign growths are swept up and collected thereby eliminating the growth of annual weeds and controlling the spread of others.

Specifications

Sweeping brush 9" diameter, 20" length. Sweeping height from 0" to 2½". Easily adjusted.

Wheels high tensile cast aluminum alloy fitted with 10.25x1.50 semi-pneumatic tires.

Brush bearings—reel mounted on separable type ball bearings completely enclosed

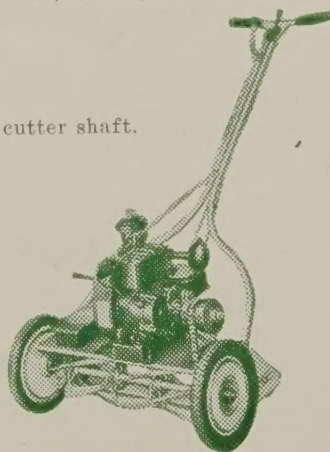
Gears—High strength aluminum alloy enclosed.

Collecting Hopper—Three and one-half bushel capacity made of heavy canvas with metal bottom.

Handle—seamless tubing.

Net weight, 34½ lbs. Price, \$34.95 F.O.B. Springfield, Ohio.

Sweeping brush 27" length, \$44.95 F.O.B. Springfield, Ohio.



THE MOTO-BOY



Two of Many Estates who use Abel's Lawn Grass seed together with MOTO MOWERS.

Abel's Quality Lawn Seed

Abel's Evergreen Lawn Grass Seed is being used on the finest lawns in Berks County

"Put Your Lawns in Our Hands"

	1 lb.	3 lbs.	5 lbs.	10 lbs.	Bu. 20 lbs.	50 lbs.	100 lbs.
ABEL'S EVERGREEN WITH OR WITHOUT CLOVER.....	\$.75	\$2.25	\$3.75	\$ 7.25	\$14.00	\$34.50	\$68.00
ABEL'S PENN'S COMMON.....	.60	1.80	3.00	5.75	11.00	26.50	53.00
ABEL'S SHADY PLACE.....	.80	2.40	4.00	7.75	15.00	36.50	73.00
ABEL'S TERRACE.....	.80	2.40	4.00	7.75	15.00	36.50	73.00
KENTUCKY BLUE.....	.70	2.00	3.25	6.25	12.00	30.00	60.00
High Purity Test							
FANCY RED TOP.....	.40	1.20	1.90	3.75	7.25	17.50	35.00
Solid Seed							
QUAKER WHITE DUTCH CLOVER....	1.25	3.00	5.50	10.00	Oz. .20	¼ lb. .35	½ lb. .65

We are in a position to quote on any lawn grass mixture formula you may wish.

ABEL'S EVERGREEN LAWN GRASS

This formula, after years of experimenting, has been blended carefully of grasses adapted to producing very thick growth and velvety appearance. Our grass seed is tested for purity and germination and each variety of grass in its composition is here for a special purpose—some for making fibrous roots which hold upon the soil and keep the turf in place; some of a sure creeping nature, filling up any bare spots; others for their color value; also for withstanding beating down by excessive rains.

One pound will usually seed a place of 10 by 10 feet; 1 peck a space of 1,000 square feet; 1 bushel a space of 4,000 square feet, or, say, 40 by 100 feet. For a thicker, more permanent effect, more seed is better.

ABEL'S SHADY PLACE LAWN GRASS

Usually it is quite difficult to obtain a satisfactory growth of grass under trees and in shady places, and for sowing in such places we recommend the use of our special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are those adapted for growing in shade. It has been successfully used on some large operations where greensward was desired on land partially shaded by old trees.

KENTUCKY BLUE GRASS

Forms a close, thick dark green turf and is very hardy. Heavy, fine, clean seed.

PENN'S COMMON OR CITY PARK LAWN GRASS

Contains only grasses suitable for the purpose of making a beautiful lawn. It germinates quickly and roots deeply, enabling it to withstand the intense heat of summer. This special mixture can be recommended very highly. However, the formula and purity test does not equal that of our Evergreen Lawn Grass.

ABEL'S WHITE DUTCH CLOVER

Recleaned for sowing on lawns, pastures, etc.

ABEL'S TERRACE MIXTURE LAWN GRASS

A special mixture of grasses for sowing on terraces and side hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out, that will withstand drought and exposure, thrive on shallow soils, and produce a rich, green turf throughout the season.

FANCY RED-TOP GRASS

One of the Bent grasses. Used on golf courses and in all good lawn mixtures. Does well in wet places and under unfavorable conditions. Is drought-resistant.

WHITEHALL HOUSE SIGNS



DISTINCTIVE AND ARTISTIC MARKERS

for Home, Cottage or Club

In these unusual Whitehall Signs the designer has caught the grace and charm of his outdoor subjects. They are cast in aluminum and protected with three coats of black waterproof paint to resist wear and weather. Swedish iron finish highlights the ornaments. Signs are mounted on decorative brackets which may be attached to tree, post or side of building. Size: approximately 10" high overall; bracket 6½" high, 12" long; sign plate 4" by 10".

Priced at \$5.50 each (lettering 15c additional per character). A charming and original gift.

Illustrated at left is No. 428 "Town Crier."



The photographs show several trial patches on ABEL'S ACRES.

It's the Crop That Counts

—is what we have been heralding ever since we started in business over twenty years ago.

With the idea of serving our customers better, we are now conducting a series of experiments yearly at ABEL'S ACRES, located near Stonersville, Pennsylvania. Here new varieties of seeds are tested for adaptability to our soil and climate, and only the best are selected and offered to the trade. Also seeds more familiar to us are experimented with in the hope of finding some procedure by which the crop can be increased.

These experiments enable us to become more familiar with the best seeds for this locality,

proper treatment of soils, and give us authentic information which we can pass along to you.

Our aim has always been to purchase seeds for you of the highest quality and vitality. Now we know definitely what ABEL'S SEEDS should do for you through our experiments.

In purchasing ABEL'S SEEDS you get the best and they cost no more than ordinary seeds. You know that the cost of good seed is small, if you get a **BETTER AND LARGER CROP**, which brings us right back to our opening sentence—**IT'S THE CROP THAT COUNTS.**

Grow Flowers for Beauty

*See flower section
for choice varieties*



CAMPANULA (Canterbury Bells)



PANSIES



LARKSPUR, Giant Imperial